

NC State Graduate Catalog

The Graduate Catalog contains Graduate School requirements and pertinent information for individual graduate programs, a current list of graduate faculty, and a selection of other resources for new students. The Catalog is informational only and is subject to change. Official policies and procedures are in the [Graduate Handbook \(https://grad.ncsu.edu/students/rules-and-regulations/handbook/\)](https://grad.ncsu.edu/students/rules-and-regulations/handbook/) and on the [NC State Policies, Rules and Regulations web site \(https://policies.ncsu.edu/\)](https://policies.ncsu.edu/).

Use the search bar below to exclusively search the Graduate School Catalog.

[North Carolina State University \(https://grad.ncsu.edu/students/rules-and-regulations/catalog/nc-state/\)](https://grad.ncsu.edu/students/rules-and-regulations/catalog/nc-state/)

[The Graduate School \(https://grad.ncsu.edu/students/rules-and-regulations/catalog/grad-school/\)](https://grad.ncsu.edu/students/rules-and-regulations/catalog/grad-school/)

[Application and Admission \(https://grad.ncsu.edu/students/rules-and-regulations/catalog/application-and-admissions/\)](https://grad.ncsu.edu/students/rules-and-regulations/catalog/application-and-admissions/)

[Graduate Programs: Graduate School Requirements \(https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/\)](https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/)

[Registration \(https://grad.ncsu.edu/students/rules-and-regulations/catalog/registration/\)](https://grad.ncsu.edu/students/rules-and-regulations/catalog/registration/)

[Tuition and Fees \(https://grad.ncsu.edu/students/rules-and-regulations/catalog/tuition/\)](https://grad.ncsu.edu/students/rules-and-regulations/catalog/tuition/)

[Financial Support \(https://grad.ncsu.edu/students/rules-and-regulations/catalog/financial-aid/\)](https://grad.ncsu.edu/students/rules-and-regulations/catalog/financial-aid/)

[Fields of Graduate Instruction \(http://www.grad.ncsu.edu/catalog/default.asp\)](http://www.grad.ncsu.edu/catalog/default.asp)

[Course Descriptions \(https://www.acs.ncsu.edu/php/coursecat/index.php\)](https://www.acs.ncsu.edu/php/coursecat/index.php)

[Graduate Faculty \(https://grad.ncsu.edu/about/people/graduate-faculty/\)](https://grad.ncsu.edu/about/people/graduate-faculty/)

[NC State Policies \(https://grad.ncsu.edu/students/rules-and-regulations/catalog/policies/\)](https://grad.ncsu.edu/students/rules-and-regulations/catalog/policies/)

[Catalog Archives \(https://grad.ncsu.edu/students/rules-and-regulations/catalog/archives/\)](https://grad.ncsu.edu/students/rules-and-regulations/catalog/archives/) (PDF)

This Catalog is intended for informational purposes only and is subject to change. Please see the [Graduate Handbook \(https://grad.ncsu.edu/students/rules-and-regulations/handbook/\)](https://grad.ncsu.edu/students/rules-and-regulations/handbook/) at for changes in policies, rules, regulations, and procedures.

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North Carolina State University

North Carolina State University (<https://www.ncsu.edu/>) (NC State) is a national center for research, teaching and extension, and its graduate education has stood for quality for more than a century. As a land-grant state university, it shares the distinctive characteristics of these institutions nationally — broad academic offerings, extensive public service, national and international activities, and large-scale extension and research programs.

NC State is one of 16 constituent institutions of the multi-campus University of North Carolina system (<http://www.northcarolina.edu/>). The UNC Board of Governors is the policy-making body legally charged with “the general determination, control, supervision, management, and governance of all affairs, of the constituent institutions.”

NC State is a member of the National Association of State Universities and Land-Grant Colleges. It is also a member of the American Council on Education, the College Entrance Examination Board, the Council of Graduate Schools, the National Commission on Accrediting and the Southern Association of Colleges and Schools.

NC State University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (<http://www.sacscoc.org/>) to award associate’s, baccalaureate, master’s, and doctoral degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of NC State University. We are providing this contact information here to enable interested constituents (1) to learn about the accreditation status of NC State, (2) to file a third-party comment at the time of NC State’s decennial review, or (3) to file a complaint against the institution for alleged non-compliance with a standard or requirement. Normal inquiries about NC State, such as admission requirements, financial aid, educational programs, etc., should be addressed directly to the university and not the Commission’s office.

Executive Officers (<https://leadership.ncsu.edu/>).

Board of Trustees (<https://leadership.ncsu.edu/board-of-trustees/>).

UNC Board of Governors (<http://www.northcarolina.edu/apps/bog/members.htm>).

The Graduate School

Graduate instruction was first offered at North Carolina State University in 1893, and the first doctoral degree was conferred in 1926. In the ensuing years, the Graduate School has grown steadily and now provides instruction and facilities for advanced study and research in the fields of agriculture and life sciences, design, education, engineering, natural resources, humanities and social sciences, management, physical and mathematical sciences, textiles and veterinary medicine.

The Graduate School is currently composed of more than 2,400 graduate faculty members. Educated at major universities throughout the world and established both in advanced teaching and research, these scholars guide the University's more than 7,000 master's and doctoral students from all areas of the U.S. and many other countries. The faculty and students have available exceptional facilities, including libraries, laboratories, modern equipment and special research areas.

Additionally, a cooperative agreement exists among the Graduate Schools of the University of North Carolina at Chapel Hill, the University of North Carolina at Greensboro, Duke University, and North Carolina State University which increases the educational and research possibilities associated with each institution.

Application and Admissions

The criteria used for admissions decisions vary according to programs and schools/colleges, reflect an evaluation of the applicant's potential for graduate work, and consider the ability of a program to accommodate additional students. Commonly, departmental admissions committees consider requests for admission and forward their recommendations to the Graduate School. However, Graduate School regulations govern the criteria for the classification of graduate student status.

[Application](https://grad.ncsu.edu/students/rules-and-regulations/catalog/application-and-admissions/application/) (<https://grad.ncsu.edu/students/rules-and-regulations/catalog/application-and-admissions/application/>).

[Application Deadlines](https://grad.ncsu.edu/programs/) (<https://grad.ncsu.edu/programs/>).

[English Proficiency Requirements](https://grad.ncsu.edu/students/rules-and-regulations/catalog/application-and-admissions/english-proficiency/) (<https://grad.ncsu.edu/students/rules-and-regulations/catalog/application-and-admissions/english-proficiency/>).

[Admission](https://grad.ncsu.edu/students/rules-and-regulations/catalog/application-and-admissions/admission/) (<https://grad.ncsu.edu/students/rules-and-regulations/catalog/application-and-admissions/admission/>).

[Immunization and Medical History](https://grad.ncsu.edu/students/rules-and-regulations/catalog/application-and-admissions/immunization/) (<https://grad.ncsu.edu/students/rules-and-regulations/catalog/application-and-admissions/immunization/>).

[Transcript Requirements](https://grad.ncsu.edu/students/rules-and-regulations/catalog/application-and-admissions/transcript-requirements/) (<https://grad.ncsu.edu/students/rules-and-regulations/catalog/application-and-admissions/transcript-requirements/>).

Admission to Degree Programs

[Full Graduate Status](https://grad.ncsu.edu/students/rules-and-regulations/catalog/application-and-admissions/full-graduate-status/) (<https://grad.ncsu.edu/students/rules-and-regulations/catalog/application-and-admissions/full-graduate-status/>).

[Provisional Admission](https://grad.ncsu.edu/students/rules-and-regulations/catalog/application-and-admissions/provisional-status/) (<https://grad.ncsu.edu/students/rules-and-regulations/catalog/application-and-admissions/provisional-status/>).

[Graduate Unclassified Status](https://grad.ncsu.edu/students/rules-and-regulations/catalog/application-and-admissions/graduate-unclassified-status/) (<https://grad.ncsu.edu/students/rules-and-regulations/catalog/application-and-admissions/graduate-unclassified-status/>).

[Admission for International Students](https://grad.ncsu.edu/students/rules-and-regulations/catalog/application-and-admissions/admission-for-international-students/) (<https://grad.ncsu.edu/students/rules-and-regulations/catalog/application-and-admissions/admission-for-international-students/>).

[Post-Baccalaureate Studies \(PBS\)](https://grad.ncsu.edu/students/rules-and-regulations/catalog/application-and-admissions/post-baccalaureate-studies/) (<https://grad.ncsu.edu/students/rules-and-regulations/catalog/application-and-admissions/post-baccalaureate-studies/>).

[Distance Education](https://grad.ncsu.edu/students/rules-and-regulations/catalog/application-and-admissions/distance-education/) (<https://grad.ncsu.edu/students/rules-and-regulations/catalog/application-and-admissions/distance-education/>).

[Evening Degree Programs](https://grad.ncsu.edu/students/rules-and-regulations/catalog/application-and-admissions/evening-degree-programs/) (<https://grad.ncsu.edu/students/rules-and-regulations/catalog/application-and-admissions/evening-degree-programs/>).

[Alternative Teacher Education Programs](https://grad.ncsu.edu/students/rules-and-regulations/catalog/application-and-admissions/alternative-teacher-education-programs/) (<https://grad.ncsu.edu/students/rules-and-regulations/catalog/application-and-admissions/alternative-teacher-education-programs/>).

Application

All applicants must submit the online [NC State University Graduate School Application Form \(http://www.ncsu.edu/applygrad\)](http://www.ncsu.edu/applygrad). Application is made for a specific degree program and date of enrollment.

Applications for admission require the following:

Non-refundable application processing fee of \$75.00 (US) for U.S. citizens and Permanent Residents or \$85.00 (US) for Non-Resident Aliens (Internationals);

One unofficial transcript from all colleges and universities previously attended; (NOTE: Applicants currently attending, or who have previously attended NC State, are not required to provide an NC State transcript.)

Three recommendations from people who know the prospective student's academic record and potential for graduate study;

On-line North Carolina Residency Form if claiming NC residence for tuition purposes;

A list of courses in progress if enrolled as a Post-Baccalaureate Studies (PBS) student at NC State;

Depending on requirements of particular programs, GRE or other standardized test scores, statements of purpose, portfolios or other work samples; and

TOEFL scores, where applicable.

English Proficiency Requirements for International Students

In order to be eligible for admission to the graduate study at NCSU all international applicants, regardless of citizenship, must demonstrate proficiency in English at a level necessary to be successful in a graduate program at NC State. This requirement can be met for most applicants in one of the following ways; however, some programs may require additional evidence of English proficiency:

1. Provide Test of English as a Foreign Language (<https://www.ets.org/toefl>). (TOEFL) with a total score of **at least 80** on the Internet-based Test (iBT).

Minimum test scores for each section:

Listening: 18 points

Reading: 18 points

Writing: 18 points

Speaking: 18 points for admission, 23 points for TA appointment where TA has direct verbal interactions with students, 26 points for TA appointment where TA presents lectures in the class or laboratory

The maximum total score for the iBT is 120 with each section worth 30 points.

2. Provide International English Language Testing System (<https://www.ielts.org/>). (IELTS) scores with an overall band score of at least 6.5. Minimum test scores for each section are listed below:

Listening: 6.5

Reading: 6.5

Writing: 6.5

Speaking: 6.5 for admission, 7.0 for TA appointment

3. be a citizen of a country where English is an official language (https://projects.ncsu.edu/grad/handbook/docs/official_language_english.htm) and the language of instruction in higher education; or

4. have successfully completed at least one year of full-time study in a degree program at a four-year US College or university.

5. TOEFL or IELTS test date must be no older than two years (24 months) prior to the beginning of the requested entry term.

NOTE: The current computer- and paper-based versions of the TOEFL test will be given until the iBT version is implemented in a particular location. Computer-based TOEFL scores must be 213 or higher (with at least 17 on three sections and no section score below 13). The paper-based test requires a score of 550 or higher (with scores of 50 on at least two of the three sections and no section score below 45).

Admission

The procedures followed in evaluating an applicant's potential for success in graduate work and the criteria used for admissions decisions vary according to programs and colleges and reflect an evaluation of the applicant's potential to engage in graduate work and the capability of the individual programs to accommodate additional students. Most programs consider applications as they arrive, while others accumulate applications and make recommendations on admission at certain times during the year. Generally, requests for admission are considered by program admissions committees that forward the program recommendations to the Dean of the Graduate School.

Students are admitted to full or provisional status in a specific degree program. Admission is granted for a specific semester or summer term. Any change in the admission date must be requested in writing and approved by the program and Graduate School. Once the requirements for that degree program have been completed, no further registration as a graduate student will be permitted unless admission to a new graduate classification has been formally approved.

Immunization and Medical History

All graduate students admitted to a degree program are required by State law to submit a report of medical history and immunizations prior to initial registration. Both forms are available online through HealthWeb. This report must document immunization against tetanus/diphtheria, measles, German measles, polio, and for international students, show results of a tuberculin skin test. Graduate students who have recently completed their undergraduate work at NC State must update their medical history. Student Health Services (<https://healthypack.dasa.ncsu.edu/>) must receive the required reports at least 30 days before registration. If the student does not meet this requirement, dismissal from school is mandatory under the law.

Transcript Requirements

The University requires that official copies of transcripts that document all prior degrees be on file in the student's permanent record at NC State. Students are required to provide the Graduate School with official copies of their latest transcript(s) from all universities (official translation required for non-English transcripts) from which the applicant had any degrees awarded, no later than the last day of classes of the first semester they are enrolled.

Full Graduate Status

To be considered for admission in full graduate standing, an applicant must have a four-year bachelor's degree (or equivalent) from an accredited college or university as determined by a regional or general accrediting agency and must have at least a "B" (3.000/4.000) average in the undergraduate major or in the latest graduate degree program.

Exceptions on standard accreditation may be granted for applications with international degrees, including applicants with three-year degrees from institutions in Europe participating in the Bologna Process (http://ec.europa.eu/education/policy/higher-education/bologna-process_en). A more complete discussion of the options for handling three-year bachelor's degrees can be found here (<https://grad.ncsu.edu/faculty-and-staff/three-year/>).

Provisional Status

Students with bachelor's degrees from accredited institutions whose scholastic records are below the standards for admission to full graduate standing may be admitted provisionally when unavoidable, extenuating circumstances affected their undergraduate averages or when progressive improvement in their undergraduate work warrants provisional admission. Students admitted provisionally under these circumstances can attain full graduate standing after completion of nine or more graduate credit hours with a minimum GPA of 3.000. Courses taken for S/U grade cannot be used as part of the minimum.

Provisional admission may be granted to applicants with bachelor's degrees from accredited institutions who lack undergraduate work considered essential for graduate study in a major field. Applicants with bachelor's degrees from non-accredited institutions may be granted provisional admission when their academic records warrant this status.

Full graduate standing is granted when the deficiencies responsible for the provisional status are corrected through additional course work (without graduate credit), provided the student has maintained a satisfactory academic record (3.000 GPA) on all course work taken in a graduate classification. A change from provisional status to full graduate standing is effected only upon the recommendation of the department in which the student is seeking the degree.

A graduate student is not eligible for appointment to an assistantship or fellowship while on provisional status.

Graduate-Unclassified Status

The Graduate-Unclassified status is a temporary classification and students admitted to this status are not candidates for degrees. They may take courses for graduate credit but may not apply more than 12 credits earned while in this status to any program leading to an advanced degree at this institution. Unclassified graduate students are expected to meet the same admissions requirements that apply to graduate students in full standing. Any individual having an interest in applying for admission as a Graduate-Unclassified Student should correspond with the Graduate Dean describing his or her particular interests and objectives prior to making application.

Admission for International Students

International graduate students are admitted to either full-time study in a specific graduate program or into the Graduate-Unclassified category as an international visitor. In addition to admission requirements listed elsewhere for graduate admission, applicants who are not U.S. citizens must complete and submit a Visa Clearance Form and/or a Certificate of Financial Responsibility before a final admission decision can be made. Criteria for international visitors are as follows:

1. International student visitors must state their educational objectives at NC State and the time expected to accomplish those objectives (normally one semester or one academic year). The educational objective may not be to seek a graduate degree at NC State.
2. They are expected to meet the same minimum academic admission requirements that apply to graduate students in full standing.
3. They are expected to meet the same TOEFL requirements that apply to international students who are admitted to master's and doctoral programs if they plan to take courses. If they plan to register for research only, they are not required to take the TOEFL.
4. They must be recommended by the DGP of the program in which they plan to take courses or do research. Special admission status may apply for a period not to exceed one year.
5. They may hold a research assistantship but may not hold a teaching assistantship (provided their nonimmigrant status allows on-campus employment).
6. They will not be eligible for the Graduate Student Support Plan.
7. Those in F-1 or J-1 status must maintain full-time enrollment and all other requirements based on their particular nonimmigrant status.

Post-Baccalaureate Studies (PBS)

The Post-Baccalaureate Studies (<https://registrar.ncsu.edu/nds/>) (PBS) classification is designed for U.S. citizens or permanent residents who wish to undertake academic work beyond the bachelor's degree but who are not currently admitted to a degree program. This classification is not open to international students with the exception of the spouse of a regularly enrolled NC State student. In special cases where students are sponsored by an agency of the U.S. government for specialized, non-degree study, approval may be given by the Graduate School for registration in the PBS classification. The following rules apply to students who wish to register for PBS.

Please note that the following are university minimum requirements. Some departments may have more restrictive requirements.

1. All must have bachelor's degrees from accredited institutions of higher education. Registration is through Registration and Records (<https://registrar.ncsu.edu/>).
2. All classes taken for credit by PBS students will be graded in the usual manner that applies for the particular course (A+ through F or S/U). All courses taken at NC State will appear on the student's transcript.
3. If the student is admitted as a graduate student, a maximum of 12 hours may apply toward the minimum university requirement of the master's degree (i.e., 30 credit hours) for which the student is enrolled, including hours approved for graduate credit while classified as a senior or unclassified graduate. The first 12 hours of course work taken at the graduate level in the PBS category will be accepted toward degree requirements unless a request for some other combination of 12 hours is made by the student's advisory committee and approved by the Graduate Dean. A maximum of 12 credit hours taken while in PBS status may be transferred into a doctoral degree program.
4. If a student's graduate degree is terminated, he/she cannot use courses taken in PBS status after termination for credit toward the same graduate degree program.
5. The grade point average (GPA) of a graduate student who has credits in the PBS category will be based on all courses taken at the 400-800 level. However, no course taken six (6) years prior to graduation from a program can be used to meet the requirements for a later graduate degree at NC State.
6. Registration is limited to a maximum of two courses per semester. Individuals who are employed full-time should limit their PBS registrations to one course per semester.
7. The PBS classification carries with it no implication that the student will be admitted to the Graduate School in any degree classification.
8. All course work accepted for degree credit must be approved by the student's advisory committee as being germane to the program. Requests for degree credit for courses completed in the PBS classification are considered after admission to a graduate degree program when the student's Plan of Graduate Work is filed with the Graduate School.
9. PBS students are expected to familiarize themselves with Graduate School and departmental policies and to seek further advice or clarification as needed.

Distance Education

Distance learning offers you the opportunity to participate in a different learning environment by allowing students to have instruction off campus. Valuable learning time is gained by providing an educational environment that increases accessibility and flexibility for learners.

NC State's distance learning includes some Internet-based courses, but also offers study through the use of videotape, cable TV, interactive TV, satellite, and independent study programs. In addition, Distance Education (<https://online-distance.ncsu.edu/>), courses require more writing than in a traditional classroom setting via electronic participation. On-line discussions and e-mail communications allow regular involvement by all students, not just a few.

Distance Education Programs

NC State offers credit courses on a vast number of subjects, with more than 100 individual distance education courses to choose from in the humanities, engineering, social sciences, textiles, physical sciences, and more.

Degree programs require admission to the university. Since each program sets its own admission requirements, students should contact the program of their interest for details. A full listing of programs is available on the Distance Education website.

Professional development courses are also available through Distance Education; all are for-credit offerings designed to meet the professional development needs of specific audiences. No admission to the university is required.

Other options include non-credit and continuing education programs such as short courses, computer training, or customized programs for businesses and other groups. No admission to the university is required to enroll in these programs.

(Note: There may be additional fees associated with student identity verification for distance education students who take remotely proctored exams.)

Evening Degree Programs

Some graduate degree programs offer late afternoon and evening courses for students who are unable to attend classes during the day. These students may also have the option of earning their degree through Distance Education (<https://online-distance.ncsu.edu/>). For further information about these programs, students should contact the specific department.

Alternative Teacher Education Programs

Alternative teacher education programs (<https://ced.ncsu.edu/nc-teach/>) are for people with a desire to teach in elementary, middle, or high schools but do not have an undergraduate degree in education. Please note that all alternative licensure programs at NC State require a minimum GPA of 2.500 and a four-year degree from an accredited college or university. There are two types of alternative licensure: licensure only and lateral entry.

Licensure only programs are for people who want to complete their teaching license ("A"-level) before entering the classroom. These programs include education coursework, content-specific coursework, and student teaching.

Lateral entry programs are for people who want to work on their coursework while teaching full-time. Lateral entry programs include education coursework, content-specific coursework, and a one-hour practicum in place of student teaching. Participants in lateral entry programs will receive a lateral entry license when they are hired in a teaching position and then will be recommended for a clear ("A"-level) license upon completion of the lateral entry program. NC TEACH is not a graduate program. The NC TEACH program is an intensive one-year program in which participants enter as a cohort and are provided with an extensive support network to aid their transition into the classroom.

Also see Teacher Licensure programs offered through Distance Education.

Graduate Programs

The Graduate School offers programs of study leading to both master's and doctoral degrees. Graduate education is the final stage in the development of intellectual independence. It is different from undergraduate education in that the student is encouraged to establish premises, to hypothesize and to defend both the procedure and the conclusions of independent investigation. Emphasis is placed upon the student's scholarly development through formal course work, seminars, research and independent investigation.

Each student's program is planned with an advisory committee of graduate faculty members to provide the opportunity for gaining advanced knowledge in the particular field of study. It is the responsibility of ALL graduate students to know and understand their degree requirements. Students are responsible for the fulfillment of those requirements.

Master's Degree Programs

[Master of Science and Master of Arts Degrees \(https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/master-of-science-and-master-of-arts/\)](https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/master-of-science-and-master-of-arts/)

[Master's Degree in Designated Field \(https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/masters-degree-in-a-designated-field/\)](https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/masters-degree-in-a-designated-field/)

[Option B Master's Degree \(https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/option-b-masters-degree/\)](https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/option-b-masters-degree/)

[Transfer Credits \(https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/transfer-credits/\)](https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/transfer-credits/)

[Advisor and Advisory Committee \(https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/masters-advisor-and-advisory-committee/\)](https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/masters-advisor-and-advisory-committee/)

[Plan of Work \(https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/plan-of-work/\)](https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/plan-of-work/)

[Language Requirements \(https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/language-requirement/\)](https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/language-requirement/)

[Minor \(https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/minor/\)](https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/minor/)

[Co-Major \(https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/co-major/\)](https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/co-major/)

[Comprehensive Examinations \(https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/masters-comprehensive-examination/\)](https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/masters-comprehensive-examination/)

[Thesis \(https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/thesis/\)](https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/thesis/)

[Time Limit \(https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/time-limit/\)](https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/time-limit/)

[Summary of Master's Procedures \(https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/summary-of-masters-procedures/\)](https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/summary-of-masters-procedures/)

Doctoral Degree Programs

[Doctor of Philosophy and Doctor of Education Degrees \(https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/doctor-of-philosophy-and-doctor-of-education-degrees/\)](https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/doctor-of-philosophy-and-doctor-of-education-degrees/)

[Residence Credits \(https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/residence-credits/\)](https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/residence-credits/)

[Advisor and Advisory Committee \(https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/doctoral-advisor-and-advisory-committee/\)](https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/doctoral-advisor-and-advisory-committee/)

[Plan of Work \(https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/doctoral-plan-of-work/\)](https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/doctoral-plan-of-work/)

[Co-Major \(https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/doctoral-co-major/\)](https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/doctoral-co-major/)

[Candidacy \(https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/candidacy/\)](https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/candidacy/)

[Comprehensive Examinations \(https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/doctoral-comprehensive-examinations/\)](https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/doctoral-comprehensive-examinations/)

[Dissertation \(https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/dissertation/\)](https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/dissertation/)

[Time Limit \(https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/doctoral-time-limit/\)](https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/doctoral-time-limit/)

[Summary of Doctoral Procedures \(https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/summary-of-doctoral-procedures/\)](https://grad.ncsu.edu/students/rules-and-regulations/catalog/graduate-programs/summary-of-doctoral-procedures/)

Master of Science and Master of Arts

All Master of Science and Master of Arts degree programs are planned with the objective of making possible a reasonable, comprehensive mastery of the subject matter in a chosen field. In most cases, the Master of Science and Master of Arts programs provide training and experience in research in order to familiarize the student with the methods, ideals and goals of independent investigation. In these cases, representative of most Master of Science and Master of Arts degree programs, a thesis is required. A small number of Master of Science and Master of Arts programs do not require a thesis.

Requirements

1. A minimum of 30 semester hours of graduate work in the degree program, unless the specific program requires more hours. (See also Credit Hour Requirements for Master's Degrees in the Graduate Handbook.)
2. A reading knowledge of a foreign language (in a few programs)
3. A comprehensive written examination (in some programs)
4. A thesis (in most programs)
5. A comprehensive oral examination (except Option B programs)

Time Limit

Requirements for ALL master's degrees must be completed within six (6) calendar years. For further information about the time limit for degrees, please see Graduate Handbook Section 3.4.

Master's Degree in a Designated Field

A number of departments and programs offer master's degrees in designated fields. These are professional degrees and do not require a thesis.

Requirements

1. A minimum of 30 semester hours of graduate work in the degree program (unless the specific program requires more hours).
2. A comprehensive written examination (in some programs)
3. A comprehensive oral examination (except Option B programs)

Option B Master's Degree

The Option B Master's degree requires that students adhere to the general guidelines for a Master of Arts or Master of Science degree with the following exceptions:

1. A comprehensive oral exam is not required
2. A thesis is not required
3. Departmental research credit hours will not be included as part of the course work
4. Individual departments define other requirements for their Option B program, such as additional course work or final projects
5. Option B Master's degree programs may not carry an officially designated minor
6. Students have a single assigned advisor rather than an advisory committee.

Transfer Credits

Transfer of graduate credits earned at other universities

A course that was completed at another college or university may be considered for transfer to a master's program provided that (1) the course is classified as a graduate course; (2) it was completed while the student was in a graduate or post-baccalaureate classification; (3) it was not taken as part of a previous master's degree program at another institution; (4) the grade in the course is B or better (courses with grades of B- or lower will not be allowed to transfer); and (5) the college or university is accredited by one of the following six U.S. regional accrediting agencies: the Southern Association of Colleges and Schools, the Middle States Association of Colleges and Schools, the New England Association of Colleges and Schools, the North Central Association of Colleges and Schools, the Northwest Association of Colleges and Schools, or the Western Association of Colleges and Schools.

Transfer of graduate credits earned while enrolled in an undergraduate program at NC State University

A course that was completed while the student was enrolled as an undergraduate at NC State University may be considered for transfer to a master's program provided that (1) it is at the 400 level or higher; (2) the grade is B or better (courses with grades of B- or lower will not be allowed to transfer); (3) it was not counted to fulfill undergraduate requirements; and (4) it is recommended by the Director of Graduate Programs at the time of the student's enrollment in the Graduate School. Students admitted to the Accelerated Bachelor's/Master's program may use up to 12 hours of graduate credit to satisfy requirements for both the bachelor's and the master's degrees. No graduate credit will be allowed for a course completed in an undergraduate classification at another institution.

Transfer of graduate credits earned while enrolled in a previous graduate degree program at NC State University

A graduate course that was completed while the student was enrolled in a previous graduate program at NC State University may be considered for transfer to a master's program provided that (1) it is at the 500 level or higher; and (2) the grade is B or better (courses with grades of B- or lower will not be allowed to transfer).

Transfer of Post-Baccalaureate Studies (PBS) graduate credits earned at NC State University

A graduate course that was completed while the student was enrolled in PBS status at NC State University may be considered for transfer to a master's program provided that (1) it is at the 500 level or higher; and (2) the grade is B or better (courses with grades of B- or lower will not be allowed to transfer). All PBS credits that are used to satisfy requirements of a specific master's degree must be earned before the student is admitted to that degree program. A maximum of 12 credit hours taken while in PBS status may be transferred into a master's degree program. If a student's graduate degree program is terminated, he/she cannot use courses taken in PBS status after termination for credit toward the same graduate degree program.

Master's Advisor and Advisory Committee

All students in graduate programs must have a graduate advisor who is a member of the graduate faculty in the student's major program and is appointed by the Dean of the Graduate School upon recommendation of the Director of Graduate Programs (DGP). In the case of master's programs requiring theses and/or final oral examinations, the graduate advisor serves as chair or co-chair of the committee.

The primary function of the committee is to advise the student in all aspects of the educational program and to monitor and evaluate that student's progress toward the degree. The committee should provide an intellectually stimulating foundation for the student's professional and scholarly development and should be sensitive to any difficulties in the student's progress, research performance or methodology requiring attention. The committee certifies whether the student has met NC State's standards for a graduate degree. Advising and guiding the student on how best to qualify for the requirements of a degree is a key part of this responsibility.

In all master's programs except those designated "Option B," the committee will consist of at least three NC State Graduate Faculty members, one of whom is designated as chair and one of whom represents the minor if one has been declared. Those master's programs designated "Option B" require that the student choose only a major advisor or co-advisors but no committee.

Plan of Work

Master's students are required to submit a conditional Plan of Work (POW) in consultation with their advisor/advisory committee by the time they have completed one half of the credits required for the degree. The POW is submitted online through MyPack Portal.

The final POW submitted to the Graduate School must be approved by (1) members of the advisory committee for programs with a required thesis, or the major professor for Option B students; and (2) the Director of the Graduate Program. The approved POW must be submitted electronically by the DGP to the Graduate School.

Language Requirement

Requirements for Master of Arts and Master of Science Students

A reading knowledge of one modern foreign language (Germanic, Romance or Slavic) is required by some programs for the Master of Science and Master of Arts degrees. Other programs may designate that the language requirement be filled from among those languages in which the Department of Foreign Languages and Literatures conducts testing. Students should contact the major program for specific language requirements.

Master's Degrees in Designated Fields

There is no language requirement in the professional master's degree programs (master's degrees in designated fields) with the exception of the Master's of International Studies, which requires knowledge of one foreign language at a level of conversational proficiency.

Minor

The Graduate School does not require a minor, though individual programs may require one. If a program does not require a minor, the graduate student has the option of choosing one, except in an Option B Master's program. The minor work will usually be from a single discipline or field that in the judgment of the advisory committee provides relevant support to the major field. However, the committee has the alternative of developing an interdisciplinary minor if it best serves the needs of the student. When a student does select a minor, the advisory committee must include a representative of the minor field. The minor credits on the Plan of Graduate Work must be approved by the graduate advisory committee member representing the minor, and, in some cases, the DGP from the minor program.

Co-Major

Students may co-major at the master's level in programs with identical degrees, although the degrees do not necessarily have to have identical requirements, e.g., two master of science programs, one with a thesis requirement and one without. Students must obtain the approval of both graduate programs as well as appropriate representation on the advisory committee, and must meet all requirements of both programs. Students who co-major are not required to declare a minor. Co-majors must meet all requirements for majors in both programs. One degree is awarded and the co-major is noted on the transcript.

Master's Comprehensive Examination

Written Examination

Written examinations covering the subject matter of the major and the minor may be required. Information concerning written examination schedules should be obtained from the student's program.

Oral Examination

Candidates for master's degrees, except those in Option B programs, must pass a comprehensive oral examination to demonstrate to the advisory committee that he/she possesses a reasonable mastery of the subject matter of the major and minor fields and that this knowledge can be used with promptness and accuracy. This exam takes the form of a traditional defense of the thesis in those programs requiring theses. In programs that require a thesis, the thesis must be submitted in complete form, except for such revisions which may be necessary as a result of the final oral exam, to all members of the advisory committee at least two (2) weeks prior to the exam.

Failure of a student to pass the oral examination terminates the student's graduate work at NC State unless the graduate advisory committee unanimously requests that the Graduate School permit a re-examination. Only one re-examination will be given.

Oral examinations where one or more of the participants are located remotely from the others may occasionally become necessary, but they should never be normal practice. If such circumstances arise, please see Section 3.6 of the Graduate Handbook for rules requesting and conducting a remote exam.

Thesis

Candidates for the Master of Arts or Master of Science degrees in programs requiring a thesis must undertake an original investigation into a subject, which has been approved by the student's advisory committee and Director of Graduate Programs, and prepare a thesis. Information on form and organization of the thesis, in addition to other regulations, is presented in the Graduate School's [Electronic Thesis and Dissertation Guide](https://grad.ncsu.edu/students/etd/) (<https://grad.ncsu.edu/students/etd/>).

Time Limit

All requirements for the master's degree must be completed within six calendar years, beginning with the date the student commences courses carrying graduate credit applicable to the degree program, unless a more restrictive time limit has been established by the academic college/school or program. The term limit remains at six (6) years even if a student was on approved leave of absence during the six-year period. For further information about the time limit for degrees, please see Graduate Handbook Section 3.4.

Summary of Master's Procedures

All Master's Students

1. Application materials and required fees received.
2. Application materials reviewed by graduate program.
3. Graduate program forwards recommendation regarding applicant's admissibility to the Dean of the Graduate School.
4. The Dean of the Graduate School reviews the recommendation and the student is notified of the action taken on the request for admission.
5. Outstanding transcripts, if any, showing any or all post-secondary coursework attempted and degree(s) conferred since application should be submitted by student to the Graduate School, prior to matriculation.
6. Student arrives, reports to the graduate program, is assigned a graduate advisor and develops a roster of courses and credits with the advisor.
7. Student subject to continuous registration policy until graduation.
8. Student approves Patent Agreement via Student Self-Service in the MyPack portal.
9. Student develops a Plan of Graduate Work, in consultation with and the approval of his/her graduate advisor and Director of Graduate Programs (DGP). The Plan of Work must be submitted via SIS to the Graduate School, where graduate records staff will review it and advise the program of any changes that need to be made before the Request for a Permit to Schedule the Master's Oral Examination or Request for Option B Graduation Checkout can be approved by the Graduate School.
10. Student passes language examination, if required.
11. Student passes written examination, if required.
12. Student submits Diploma Order Request form by end of third week of the semester or summer session of anticipated graduation.
13. A GPA of at least 3.000 for the degree requirements as well as on overall graduate course work at NC State is required for graduation.
14. All degree requirements must be completed within six calendar years, beginning with the date the student takes courses carrying graduate credit applicable to the degree program, unless a more restrictive time limit has been established by the program or academic college/school.

Students in Thesis Programs

1. Graduate advisory committee of three or more graduate faculty members is appointed by the DGP.
2. A preliminary copy of the thesis is submitted to the chair of the student's advisory committee.
3. When all requirements except completion of the course work in the final semester are satisfied and after the thesis is complete except for such revisions as may be necessary as a result of the exam, the DGP submits to the Graduate School the Request for a Permit to Schedule the Master's Oral Examination.
4. If Graduate School requirements are met, the Request for a Permit to Schedule the Master's Oral Examination is approved by the Graduate School within 10 working days of receipt of the request, and the permit, Admission to the Final Master's Oral Examination, is issued.
5. At least two weeks prior to the final oral examination, the chair of the student's advisory committee submits the thesis, if required, to the other members of the advisory committee for review.
6. Final examination is scheduled and conducted.
7. The Admission to the Final Master's Oral Examination form is completed by the committee members, including date and result, and submitted to the Graduate School by the DGP. The Graduate School should receive the report within five working days of the examination.
8. Student submits three copies of the thesis, signed by each member of his/her advisory committee, to the Graduate School.
9. The deadline for submitting the thesis to the Graduate School in order for the student to graduate in a given semester or summer session appears in the Graduate School Calendar.

10. The thesis is reviewed by the Graduate School to ensure that the format conforms to the specifications prescribed in the Thesis and Dissertation Guide.

Students in Master's of Discipline Non-Thesis Programs

1. Graduate advisory committee of three or more graduate faculty members is appointed by the DGP.
2. When all requirements except completion of the course work in the final semester are satisfied, DGP submits to the Graduate School the Request for a Permit to Schedule the Master's Oral Examination.
3. If Graduate School requirements are met, a Request for a Permit to Schedule the Master's Oral Examination is approved by the Graduate School within 10 working days of receipt of the request and the permit, Admission to the Final Master's Oral Examination, is issued.
4. Final examination is scheduled and conducted.
5. Final examination report, including date and result of the examination, submitted to the Graduate School by the DGP. The Graduate School should receive the report within five working days of the examination.
6. The deadline date for unconditionally passing the final examination in order for the student to graduate in a given semester or summer session appears in the Graduate School Calendar.

Students in Option B Programs

DGP submits requests for graduation checkout to the Graduate Dean no later than six weeks after the first day of the semester (seven working days after the first day of the summer session) in which the student is taking the last course in his or her program and anticipates graduation.

Doctor of Philosophy and Doctor of Education Degrees

The doctorate symbolizes the ability of the recipient to undertake original research and scholarly work at the highest levels without supervision. The degree is therefore not granted simply upon completion of a stated amount of course work but rather upon demonstration by the student of a comprehensive knowledge and high attainment in scholarship in a specialized field of study. The student must demonstrate this ability by writing a dissertation reporting the results of an original investigation and by passing a series of comprehensive preliminary examinations in the field of specialization and related areas of knowledge, and successfully defending the dissertation.

Requirements

1. At least two residence credit points secured in continuous semesters' residence as a graduate student at the University.
2. Doctoral degrees at North Carolina State University require a minimum of 72 graduate credit hours beyond the bachelor's degree. For a student who has a master's degree from a university other than NC State, a maximum of 18 hours of relevant graduate credit from the master's degree may be applied toward this minimum, upon the recommendation of the student's Graduate Advisory Committee. If a student completes a master's degree at NC State and continues for a doctoral degree without a break in time, up to 36 credit hours taken while in master's status may be used to meet minimum requirements for the doctoral degree.
3. A preliminary comprehensive examination (written and oral components)
4. A dissertation
5. A final comprehensive oral examination
6. Dissertation defense.

Residence Credits

A student working toward a doctoral degree is expected to be registered for graduate work at NC State for at least six (6) semesters beyond the bachelor's degree. The University has basic residence requirements, as defined below, but the academic schools/colleges have the prerogative of establishing more restrictive requirements within the respective schools/colleges. Residence credit is determined by the number of semester hours of graduate work carried during a regular semester.

The Plan of Work should include both a list of the course work to be undertaken (in all programs) and the dissertation topic; be developed by the student and his/her advisory committee; be approved by the committee and the Director of Graduate Programs or Department Head prior to submission to the Graduate School for final approval; be submitted prior to completion of 12 hours of a doctoral program.

At least two residence credits are necessary in continuous residence (registration in consecutive semesters) as a graduate student at the University, but failure to take courses in the summer does not break continuity.

Semester Credits (Hours)	Residence Credits
9 or more	1
6-8	2/3
less than 6 (including registration in 590, 690 series)	1/3

Summer Residency

Summer course work, however, can be used in partial fulfillment of this requirement. A single summer session is equal to one-half of the corresponding amount for a regular semester. For example, six semester hours carried during a summer session will earn one-third of a residence credit; less than six credit hours will earn one-sixth of a residence credit.

Doctoral Advisor and Advisory Committee

All students in graduate programs must have a graduate advisor who is a member of the Graduate Faculty in the student's major program and is appointed by the Dean of the Graduate School upon recommendation of the DGP. The graduate advisor serves as chair or co-chair of the committee.

The primary function of the committee is to advise the student in all aspects of the educational program and to monitor and evaluate that student's progress toward the degree. The committee should provide an intellectually stimulating foundation for the student's professional and scholarly development and should be sensitive to any difficulties in the student's progress, research performance or methodology requiring attention. The committee certifies whether the student has met NC State's standards for a graduate degree. Advising and guiding the student on how best to qualify for the requirements of a degree is a key part of this responsibility.

A doctoral student's committee will consist of at least four NC State graduate faculty members, one of whom represents the minor field if a minor has been declared. The committee is indicated on the Plan of Graduate Work. In this way, the committee is officially recommended by the DGP, and must be approved by the Graduate School at the time of the approval of the Plan of Graduate Work.

Doctoral Plan of Work

Doctoral students are required to complete a Plan of Work (POW) in consultation with their advisors. The POW is submitted online through MyPack Portal. The doctoral POW, including the courses to be undertaken in the student's program and the dissertation topic, should be prepared by the doctoral student and his/her advisory committee and submitted electronically to the Graduate School. The POW as a whole should be rationally unified, with all constituent parts contributing to an organized plan of study and research, and courses must be selected from groups embracing one principal subject of concentration, the major, with the option of designating courses in a cognate field, the minor. When a student elects to designate a minor, he/she should select the minor course work from a discipline or field that, in the judgment of the advisory committee, provides relevant support to the major field.

The POW should include both a list of the course work to be undertaken (in all programs) and the dissertation topic; be developed by the student and his/her advisory committee; be approved by the committee and the Director of Graduate Programs or Department Head prior to submission to the Graduate School for final approval; be submitted prior to completion of 12 hours of a doctoral program.

Doctoral Co-Major

Students may co-major at the doctoral level with the approval of both programs and with the appointment of a co-chair from each program on the advisory committee. The co-chairs will have equal responsibilities for directing and mentoring the student. Co-majors are not permitted between Doctor of Philosophy and Doctor of Education degree programs. Co-majors must meet all requirements for majors in both programs. One degree is awarded and the co-major is noted on the transcript.

Candidacy

A doctoral student is admitted to candidacy by the Graduate School upon passing the preliminary examinations without conditions or after fulfilling any conditions specified by the advisory committee.

Doctoral Comprehensive Examinations

Preliminary Examinations

Each doctoral student is required to take preliminary or comprehensive examinations, consisting of written examinations and an oral examination, not earlier than the end of the second year of graduate study and not later than one semester (four months) before the final oral examination.

Written examination questions may cover any phase of the course work taken by the student during graduate study or any subject logically related to an understanding of the subject matter in the major and minor areas of study. The questions are designed to measure the student's mastery of his/her field and the adequacy of preparation for research. Committee members must notify the Director of Graduate Programs when a student has completed the written examination. Failure to pass the written portion terminates the student's work at this institution, subject to departmental and/or school/college policies with respect to reexamination.

Upon satisfactory completion of the written portion of the preliminary examinations and after completion of all course work relevant to the examination, the student submits a Request to Schedule the Doctoral Oral Examination, indicating that he/she wishes to schedule the preliminary examination.

The preliminary oral examination is conducted by the student's advisory committee and the Graduate School Representative and is open to all graduate faculty members. The Graduate School will notify the student and the examining committee. The oral examination is designed to test the student's ability to relate factual knowledge to specific circumstances, to use this knowledge with accuracy and promptness and to demonstrate a comprehensive understanding of the field of specialization and related areas.

A unanimous vote of approval by the members of the advisory committee is required for the student to pass the preliminary oral examination. Approval may be conditioned, however, on the successful completion of additional work in some particular field(s). All committee actions may be appealed by written application to the Graduate Dean (refer to NC State policy on grievance procedures for students).

Failure to pass the preliminary oral examination terminates the student's work at this institution unless the examining committee recommends a reexamination. No reexamination may be given until at least one full semester has elapsed, and only one reexamination is permitted in a given doctoral program.

Final Oral Examination

As with the preliminary oral examination, the chair of the student's advisory committee is in charge of conducting the final oral examination. The final oral examination is scheduled after the dissertation is complete except for such revisions as may be necessary as a result of the examination, but not earlier than four calendar months after admission to candidacy and not before all required course work has been completed or is currently in progress.

The examination consists of the candidate's defense of the methodology used, the data collected, and the conclusions reached in the research, as reported in the dissertation. It is conducted by an examining committee, which consists of the student's advisory committee and a Graduate School Representative. This examination is open to the University community.

While the chair has the option of allowing visitors to ask questions of the candidate, the chair also has the obligation to maintain a scholarly atmosphere and to keep the student's best interest foremost. Graduate faculty members who are not on the advisory committee will have the opportunity to express their opinions to the committee in the absence of the student. However, the final deliberations and the vote are private to the examining committee.

A unanimous vote of approval of the advisory committee is required for passing the final oral examination. Approval may be conditioned, however, on the student's meeting specific requirements prescribed by the student's advisory committee. Failure of a student to pass the examination terminates his or her work at this institution unless the advisory committee recommends a reexamination. No reexamination may be given until one full semester has elapsed and only one reexamination is permitted.

Oral examinations where one or more of the participants are located remotely from the others may occasionally become necessary, but they should never be normal practice. If such circumstances arise, please see Section 3.6 of the Graduate Handbook for rules for requesting and conducting a remote exam.

Dissertation

The doctoral dissertation is the document presenting the results of the student's original investigation in the field of primary interest. It must represent a contribution to knowledge, adequately supported by data, and be written in a manner consistent with the highest standards of scholarship. Publication is expected and encouraged.

The dissertation will be reviewed by all members of the advisory committee and must receive their approval prior to submission to the Graduate School. Information on the required form and organization of the dissertation, in addition to other regulations, is presented in the Graduate School's [Electronic Thesis and Dissertation Guide](https://grad.ncsu.edu/students/etd/) (<https://grad.ncsu.edu/students/etd/>). At the time of the dissertation's submission to the Graduate School, the student is also required to submit one copy each of the Survey of Earned Doctorate form and University Microfilms International Agreement form and to complete a brief, standard questionnaire about his or her experience as a graduate student at NC State. The University also requires that all doctoral dissertations be microfilmed by University Microfilms International, Ann Arbor, MI, including the publication of the abstract in Dissertation Abstracts International. The student pays the cost of this service.

Doctoral Time Limit

Doctoral students must attain candidacy for the degree within six (6) calendar years. All degree requirements must be completed within 10 calendar years. For further information about the time limit for degrees, please see Graduate Handbook Section 3.4.

Summary of Doctoral Procedures

1. Application materials and required fee received.
2. Application materials reviewed by graduate program.
3. Graduate program forwards recommendation regarding applicant's admissibility to Graduate Dean.
4. The graduate program's recommendation is reviewed and the student is notified of the action taken on the request for admission.
5. Outstanding transcripts, if any, showing any or all post-secondary coursework attempted and degree(s) conferred since application should be submitted by student to the Graduate School, prior to matriculation.
6. If admitted, the student arrives, reports to the graduate program, is assigned an advisor and makes out a roster of courses in consultation with the departmental advisor and Director of Graduate Programs (DGP).
7. Advisory committee of at least four NC State Graduate Faculty members, one of whom is designated as the chair and one of whom represents the minor field (where appropriate), is appointed by the Graduate Dean upon the recommendation of the DGP. The Graduate Dean also selects a graduate faculty member to serve as the Graduate School Representative on the student's committee.
8. Student approves Patent Agreement via Student Self-Service in the MyPack portal.
9. A dissertation subject is selected and an outline of the proposed research is submitted to the student's advisory committee and the DGP for review and approval.
10. Plan of Graduate Work is prepared by the advisory committee with the student, is approved by the DGP, and is submitted to the Graduate School for approval as soon as feasible after completion of 12 hours of course work.
11. Written examinations in the major and minor fields are scheduled no earlier than the end of the second year of graduate study and not later than one semester before the final oral examination. The results of these examinations will be reported to the Graduate School.
12. When all written examinations have been completed satisfactorily, the chair submits the Request for Approval to Schedule the Doctoral Oral Examination, designating the preliminary oral examination, at least two weeks prior to the suggested date. Upon approval of the request, the student and examining committee are notified of the time and place. The DGP sends the report of the exam to the Graduate School and if the exam is passed without conditions, the student is admitted to candidacy.
13. A copy of the preliminary draft of the dissertation is submitted to the chair of the student's advisory committee for review.
14. The Diploma Order Request Form must be filed with the Graduate School by the end of the sixth week of the semester or summer session of anticipated graduation. Failure to submit the form by this date may result in the student's failure to receive the diploma at graduation.
15. At least two weeks prior to the final oral examination, the chair of the student's advisory committee submits the dissertation to advisory committee members for review.
16. Four calendar months after admission to candidacy or later, and after the dissertation is complete except for such revisions as may be necessary as a result of the final exam, the chair submits to the Graduate School the Request for Approval to Schedule the Doctoral Oral Examination, designating a request for permission for the candidate to take the final oral exam. Requests should be filed at least two weeks before the date of the examination. Upon approval of the request, the student and the examining committee, including a Graduate School representative, are notified of the time and place of the examination. The Graduate School Representative receives a copy of the dissertation at least one week prior to the examination.
17. The Graduate School requires that all theses and dissertations be properly submitted electronically following the requirements in the Electronic Thesis and Dissertation (ETD) website. Specific deadlines for each semester, as well as formatting requirements, are posted in the online Thesis and Dissertation Guide, located on the ETD website.
18. The dissertation is reviewed by the Graduate School to ensure that the format conforms to the specifications prescribed in the Thesis and Dissertation Guide.
19. All students must apply to graduate before the semester deadline via MyPack Portal in order to be placed on the graduation list, have the name printed in the graduate programs, have the diploma ordered and the transcript posted.
20. All course work scheduled in a graduate degree classification must be completed prior to graduation.

21. A GPA of at least 3.000 is required for graduation.
22. All degree requirements must be completed within 10 calendar years, beginning with the date the student commences courses carrying graduate credit applicable to the degree program, unless a more restrictive time limit has been established by the program or academic college/school.

Registration

The Department of Registration and Records (<https://registrar.ncsu.edu/>), must have authorization from the Graduate School before a graduate student in any classification will be permitted to register for classes. This authorization will be sent to the Department of Registration and Records at the time the student is notified of acceptance for graduate study. All students attending classes must be registered for credit or audit. Grade records are furnished the students at the end of each scheduled school term.

Full-time/Part-time Determination for Graduate Students (<https://grad.ncsu.edu/students/rules-and-regulations/catalog/registration/full-part-time/>).

Accelerated Bachelor's/Master's Degree Program (<https://grad.ncsu.edu/students/rules-and-regulations/catalog/registration/abm/>).

Continuous Registration (<https://grad.ncsu.edu/students/rules-and-regulations/catalog/registration/continuous-registration/>).

Course Numbering (<https://grad.ncsu.edu/students/rules-and-regulations/catalog/registration/course-numbering/>).

Grading and Academic Standing (<https://grad.ncsu.edu/students/rules-and-regulations/catalog/registration/grading-and-academic-standing/>).

Audits (<https://grad.ncsu.edu/students/rules-and-regulations/catalog/registration/audits/>).

Graduation (<https://grad.ncsu.edu/students/rules-and-regulations/catalog/registration/graduation/>).

Diplomas (<https://grad.ncsu.edu/students/rules-and-regulations/catalog/registration/diplomas/>).

Interinstitutional Registration (<https://grad.ncsu.edu/students/rules-and-regulations/catalog/registration/interinstitutional-registration-program/>).

Cooperating Raleigh Colleges (<https://grad.ncsu.edu/students/rules-and-regulations/catalog/registration/cooperating-raleigh-colleges/>).

Academic Common Market (<https://grad.ncsu.edu/students/rules-and-regulations/catalog/registration/academic-common-market/>).

Full-Time/Part-Time Determination for All Graduate Students

NC State uses a uniform Academic Load Schedule of Full-Time Status of Graduate Students for Loan Deferment, Financial Aid, Visa Status, Payroll Tax Withholding, Graduate Student Support Plan Eligibility and Veteran's Benefits Purposes. This schedule will be the only resource used to determine a student's status for these purposes. These definitions apply to all graduate students, U.S. and international, participants and non-participants in the Graduate Student Support Plan. (updated on July 15, 2014)

Fall and Spring Semesters

Graduate students enrolled in degree plans requiring a thesis or dissertation

Full Time

These students will be full time if they take at least 9 hours per semester until the semester in which a course load of less than 9 credit hours will reach an accumulated total equal to the minimum number of hours required by their program. They should then register for that number of credits, but not less than 3. From that point on, they will continue to be considered full time until they complete their thesis or dissertation, as long as they enroll for at least 3 credit hours.

Half Time

Should a graduate student in a plan requiring a thesis or dissertation fail to maintain full-time status in any given term, as here defined, they are subject to the requirements governing students in non thesis or dissertation plans (as outlined below) in order to be certified as "Half Time."

Graduate students enrolled in degree plans not requiring a thesis or dissertation (1)

Full Time

These students will be full time if they take at least 9 hours in a given semester.

Half Time

These students will be half time if they take at least 4.5 hours per semester.

(1) Master's students enrolled in plans allowing both a thesis and a non-thesis option will be classified as "non-thesis" students and subject to these rules until such time as a graduate plan of work designating the thesis-option, is approved by the Graduate School.

Co-op Students

Co-op students registered for COP 500 will be considered full time. Students registered for only COP 501 will be considered half time.

Summer Sessions

Graduate students are not required by the University to be registered during the summer. However, students who receive a stipend but who are not enrolled in the University during a period of five weeks or more are subject to Social Security tax withholding. In particular, this means that Social Security taxes will be withheld from the paychecks of Graduate Research Assistants (RAs) who do not register in the summer. Specifically, Social Security taxes will be withheld in June for RAs who are not registered in Summer Session I and in July for RAs who are not registered in Summer Session II. The source of funds that pays the stipend must pay the same amount of Social Security tax as is withheld from the student's paycheck during these months.

Two special registration categories are available for Graduate Research Assistants who would not otherwise take courses in the summer: XYZ 696 (Summer Thesis Research) and XYZ 896 (Summer Dissertation Research), where XYZ represents the course prefix of a specific department or program. Each of these courses is for 1 hour of credit, with registration for 10 weeks, beginning the first day of Summer Session I. Social Security taxes will not be withheld from the June or July paychecks of RAs who register for either 696 or 896. Full time in the summer is a minimum of 1 hour.

Please note that student who are not registered during the summer do not have access to financial aid during that period, nor do they have access to the Student Health Service unless they pay the student health fee for each of the two summer sessions.

Waiver of Hours

Graduate students who meet certain prescribed special conditions, may be certified as either a full-time or half-time in cases where they do not meet the requirements for such as outlined above. A waiver of the uniform academic load rules requires attestation on behalf of the student by their committee chair, academic advisor or the Director of their graduate program and approval by the University.

Accelerated Bachelors/Masters Degree Program

The objective of the Accelerated Bachelors/Master's (ABM) degree program is to provide a means by which exceptional undergraduate students at NC State may complete the requirements for both the bachelor's and masters degrees at an accelerated pace. It provides an opportunity for exceptional undergraduate students at NC State to double count up to 12 graduate-level credits (500 or 700 level) and obtain a non-thesis master's degree within 12 months of completing the bachelor's degree or obtain a thesis based master's degree within 24 months of completing the bachelor's degree.

Students interested in the ABM Program should contact their department.

Continuous Registration

After a student is admitted to the Graduate School and enrolls for the first time, she/he is required to maintain continuous registration, i.e., be enrolled each semester, excluding summer sessions, until she/he has either graduated or her/his graduate program at NC State has been terminated. All students who graduate during the second summer session must be registered for either the first or second summer session.

Leave of Absence

A student in good academic standing who must interrupt her/his graduate program for good reasons may request a leave of absence from graduate study for a definite period of time not to exceed one year within a given graduate program. The request should be made at least one month prior to the term involved. Upon endorsement of the request by the student's graduate advisory committee and Director of Graduate Programs, and approval by the Graduate School, the student would not be required to be registered during the leave of absence. The time that the student spends on an approved leave of absence will be included in the time allowed to complete the degree, i.e., six (6) years for master's and ten (10) for doctoral.

Termination

Graduate students whose programs have been terminated because of failure to maintain continuous registration and who have not been granted a leave of absence during a fall or spring semester will be required to reapply for admission, and pay the admission fee (\$65.00 for US Citizens and Permanent Residents or \$75.00 for Non-Resident Aliens [Internationals]), if they wish to resume their graduate studies at NC State.

Adding Courses

Courses may be added during the first week of a semester, via MyPack Portal alone, or during the second week, via MyPack Portal and with permission of the instructor. In a summer session, courses may be added during the first two days via MyPack Portal alone, and/or during the third and fourth days via MyPack Portal with permission of the instructor. To add a student to a course after the deadline for adding courses, an instructor must submit a Schedule Revision Form (available in departmental office) to the School/College or Graduate Dean's approval.

Dropping Courses

All 500-800 level courses may be dropped through MyPack Portal without grades during the first eight weeks of a semester and during the first two weeks of a summer session. Students and advisors should consult the specific Registration and Records calendar for drop deadlines. Students should make schedule changes as early as possible in the semester. The number of hours for which a student is officially enrolled and upon which tuition and fees are based is that number in which the student is enrolled at the end of the second week of classes of a semester and at the end of the fifth day of a summer session (the last day to withdraw or drop a course with a refund). A Schedule Revision Form (available in departmental office) is required to drop a course after the deadline. No dropping of courses shall be allowed except for documented medical reasons or other verified, unforeseen grounds of personal or family hardship. Making such exceptions to policy requires the recommendation of the chair of the student's advisory committee, the Director of Graduate Programs or Department Head, and the Dean of the Graduate School. Courses may not be dropped after the final grades have been submitted by the instructor and processed by Registration and Records.

Dropping Minicourses

The drop date for a five-week minicourse is the last day of the third week of the mini-course. The drop date for a seven-week minicourse is the last day of the fourth week of the minicourse. Instructors teaching minicourses (courses which last only a portion of the semester) should announce at the outset of these courses their appropriate drop deadlines.

Course Numbering

Graduate-level courses are numbered at the 500, 600, 700 and 800 levels. Courses at the 500 level are available to advanced undergraduate students unless otherwise specified. Courses at the 700 and 800 level are doctoral courses and are open only to students in graduate or PBS standing. Exceptions may be made for undergraduate students in honors program and seniors in the ABM Program. Consent of the department is required for enrollment in all 600- and 800-level courses. Refer to the NC State University Courses Catalog for course descriptions and prerequisites.

Note: Courses at the 500 and 700 level are letter graded. Students cannot enroll in these courses for "credit only."

Grading and Academic Standing

The Grading System

NC State University uses the following grading system:

Grade	Grade Points/Credit Hour
A+	4.33
A	4.00
A-	3.67
B+	3.33
B	3.00
B-	2.67
C+	2.33
C	2.00
C-	1.67
D+	1.33
D	1.00
D-	0.67
F	0.00

Grade Point Average (GPA)

The number of credit hours at the 400 level or higher that are attempted in a semester or summer session (for which regular grades are received) is divided into the total number of grade points earned to arrive at the grade point average. The cumulative and semester GPAs will include the effect of any A+ grades awarded (at 4 1/3 grade points) up to a grade point average of 4.000. The GPA will be calculated to three decimal points. Credits earned in PBS classification are also included in the GPA calculations and the determination of academic standing that become part of the Plan of Graduate Work.

Graduate Credit

To receive graduate degree credit, a grade of "C-" or higher is required in all courses taken after admission. Grades on courses taken for graduate credit as an undergraduate at NC State, in PBS classification, or transferred from other universities must have a grade of "B" or better to be transferred. All grades on courses numbered 400 and above taken in a graduate classification or for graduate credit as an undergraduate are included in the graduate GPA. Courses at the 300 level and below are not eligible for graduate credit and subsequently do not affect the graduate GPA. To graduate, a student must have a minimum 3.000 average on all graduate course work as well as all courses on his or her Plan of Graduate Work.

Graduate students who take 400-level courses that are letter graded do not have the option of taking the courses for "credit only" if they intend for the course to be part of their Plan of Graduate Work. It is appropriate for them to take selected 400-level letter-graded courses that are required by the program but will not be included in the Plan of Graduate Work for S-U grade. Examples would be 400-level courses in the student's major and FLE courses.

Grading of Graduate Courses

5XX: Letter Graded Master's Courses

6XX: S-U Graded Master's Courses

7XX: Letter Graded Doctoral Courses (ALL 7XX courses are restricted to the following classification of students (class MR, DR, SR, SP and GR)

8XX: S-U Graded Doctoral Courses (ALL 8XX courses with the exception of those specifically listed at the end of this section are restricted to the following classification of students class MR, DR, SR, SP and GR)

9XX: Professional Courses in the College of Veterinary Medicine are not graduate courses and may not be counted in Plans of Work for graduate degrees

NOTE: Courses at the 500 and 700 level are letter graded. Students cannot enroll in these courses for "credit only".

Incompletes

The grade of "IN" (Incomplete) may be given in any course at the discretion of the instructor for work not completed because of a serious interruption in the student's work not caused by their own negligence. An "IN" must not be used, however, as a substitute for an "F" when the student's performance in

the course is not passing. An "IN" is only appropriate when the student's record in the course is such that the successful completion of particular assignments, projects, or tests missed as a result of a documented serious event would enable that student to pass the course. Only work missed may be averaged into the grades already recorded for that student.

A student who receives an "IN" must complete the unfinished work to have the Incomplete converted to a final grade by the end of the next semester in which the student is enrolled, provided that this period is not longer than 12 months from the end of the semester or summer session in which the "IN" was received. Otherwise, the "IN" will be automatically converted to "F" or "U," in accord with the grading approved for the particular course. All grades of "IN" must be cleared prior to graduation. Students must not register again for any courses in which they have "IN" grades. Such registration does not remove "IN" grades, and the completion of the course on the second occasion will automatically result in an "F" for the incomplete course.

Except in the case of Interinstitutional Registration, grades on courses transferred from another institution will not be included in computing the GPA.

Grade Changes

When submitted to the Department of Registration and Records, end-of-course grades are final and not subject to change by reason of a revision of the instructor's judgment; nor are submitted grades to be revised on the basis of a second trial (e.g., a new examination or additional work undertaken or completed). Changes may only be made within one calendar year after the date final grades were submitted in order to correct an error of computation or transcribing or where part of the student's work has been unintentionally overlooked.

Academic Warning, Probation and Termination

Graduate students are given a notice of academic warning if they have accumulated 18 or fewer hours at the 400 level or above and have less than a 3.000 GPA. Graduate students are placed on academic probation if they have accumulated more than 18 hours at the 400 level or above and have a GPA in the range of 2.667 to 2.999 and will be ineligible for financial aid or appointment or reappointment to an assistantship or fellowship. A student's graduate study is terminated if they have accumulated more than 18 hours at the 400 level or above and have a GPA below 2.667 or if they have accumulated 30 or more hours and have less than a 3.000 GPA. "Accumulated" in all cases is defined as the total number of hours for which a grade has been issued.

In the case of program termination, no further registration in a graduate classification will be permitted. Under extenuating circumstances the student will be reinstated upon the written recommendation of the department and approval by the Graduate Dean. Departments have the prerogative of recommending the termination of a student's graduate admission at any time if the student is not making satisfactory progress toward the degree.

Students who are eligible to attend the first summer session are eligible to attend either or both summer sessions. For example, students who receive a notice of "Graduate Admission Terminated" at the end of the first summer session may register for second summer session unless the major department recommends otherwise.

Eligibility for Assistantship, Fellowship or Traineeship

A graduate student must be in good academic standing to be eligible for appointment to an assistantship, fellowship or traineeship and must be registered in each semester in which the appointment is in effect.

Audits

Graduate students wishing to audit a course must have the approval of their advisor and of the department offering the course. While auditors receive no course credit, they are expected to attend class regularly. The degree to which an auditor must participate in class beyond regular attendance is optional with the instructor. Any auditing requirements should be clearly explained in writing to the student at the beginning of the semester. Should an instructor conclude that an auditor has failed to fulfill the stipulated requirements, the instructor is justified in marking NR (no recognition given for an audit) on the final grade report.

Audits (AU) in subjects in which the graduate student has had no previous experience will be evaluated at full credit value in determining course loads. Audits taken as repetition of work previously accomplished are considered at one-half their credit value in calculating course loads. With the single exception of foreign language audits, all audit registration must fall within the maximum permissible course loads. While audit registrations are evaluated for purposes of determining permissible course loads in terms of the regulations of the Graduate School, the University Cashier's Office considers all audits, except one permitted free of charge, in terms of full credit value in calculating tuition.

Graduation

There are three official graduations for graduate students per year, occurring at the end of the fall and spring semesters and at the end of the second summer session. Formal commencement exercises are held at the end of spring and fall semesters, but any student who graduated the preceding second summer session is eligible to participate in the December commencement. All students scheduled to graduate in the fall or spring semesters are strongly encouraged to attend the respective commencement. Any doctoral candidate wishing to have the degree conferred in absentia must notify the Graduate School in writing; Master's candidates should contact their departments or programs.

Diplomas

Doctoral students graduating in the spring and fall are awarded their diplomas during the commencement exercises. Master's students, both master's and doctoral students graduating at the end of second summer session, or those students receiving permission to receive the degree in absentia can pick up their diploma during the designated pick-up dates and times in Registration and Records. Any diplomas not picked up are mailed by the Department of Registration and Records, which is also responsible for the ordering of diplomas.

Students earning a Master of Arts, Master of Science, Doctor of Education or Doctor of Philosophy degree will receive diplomas designating the degree but not the major or program of study. Students earning a master's degree in a designated field will receive diplomas indicating the field of specialization, i.e., Master of Forestry.

Students with co-majors will have those identified on their transcripts, but not on their diplomas.

Apply to Graduate

Each student must make sure to Apply to Graduate in MyPack Portal for the term in which they plan to graduate in. It is advised that students apply to graduate when the defense is scheduled, but it can be done at any time in the semester up until 5:00 p.m. on the Apply to Graduate Deadline, which is the same as the Registration Required Thesis Review Deadline. The date is on the Graduate School Calendar. A student must apply to graduate in order to graduate, have transcript posted, and receive a diploma.

Interinstitutional Registration Program

NC State participates in an Interinstitutional Registration program with the University of North Carolina at Chapel Hill, the University of North Carolina at Greensboro, the University of North Carolina at Charlotte, North Carolina Central University, and Duke University. The program provides the opportunity for students to enroll at another institution for a course or courses not offered on their home campus. Other activities include a cooperative library arrangement, joint student activities, and faculty cooperation and interchange.

Even though taking a course on another campus, the student is exclusively under the administrative direction of the NC State Graduate School. Enrollment for courses on other campuses will take place on this campus, using an Interinstitutional Approval form from Registration and Records. Such courses are considered by the Graduate School to be a part of the student's normal load and the student will be billed for the courses through the NC State University Cashier's Office. During the summer, the procedure is somewhat different in that a student must be enrolled in a least one course on the NC State campus during the same session as the requested interinstitutional registration.

When the grading system of the other institutions varies from that of NC State, grades received under Interinstitutional Registration will be converted to the NC State system. "H," "P," "L," and "F" grades earned at the University of North Carolina at Chapel Hill and "E," "G," "S" and "F" grades earned at Duke University will be converted to "A," "B," "C" and "F" grades, respectively.

Cooperating Raleigh Colleges

The Cooperating Raleigh Colleges (CRC) is a voluntary organization composed of NC State, Meredith College, William Peace University, St. Augustine's University, and Shaw University. Graduate programs are currently offered only at NC State and Meredith College, but graduate students can enroll at either institution for a course or courses not offered by their home campus.

Any NC State graduate degree student who is enrolled in at least three graduate credit hours on the NC State campus may take a course at Meredith College during fall or spring semester, provided that

1. the course is not taught on the NC State campus, and
2. the advisory committee considers the course educationally desirable.

NC State students may not register for more than a total of two courses in any semester at Meredith, and not more than six of the required academic credits for a master's degree at NC State may be accepted from that institution. Grades from Meredith are not used in computing a student's NC State grade point average.

Under this agreement, regular tuition and fees are paid to NC State. Special fees may be required for specific courses at Meredith, and the student is responsible for paying these fees.

Academic Common Market

Important Notice: As a result of the General Assembly's Appropriations Act of 2011, North Carolina's participation in the ACM, as both a sender and a receiver of students, will be phased out beginning with academic year 2012-2013. Students certified for the ACM who are enrolled and begin study prior to the second summer session in 2012 may continue to pay in-state tuition as long as they remain enrolled in their specified degree program. (Revised March 8, 2012)

The Academic Common Market (ACM) is a cooperative agreement among universities in 16 states in the southeastern United States. The ACM allows a student to enroll in a graduate program at a university in another state without having to pay out-of-state tuition if that program of study is neither

1. offered by the public institutions in the student's home state, nor
2. commonly available in the other southeastern states.

Tuition and Fees

The University Cashier's Office (<https://treasurer.ofb.ncsu.edu/cashier/>) provides billing, financial aid disbursement and account management services to all students. All students paying tuition and fees are entitled to University services, facilities and programs, including the services, facilities, and programs offered by the Student Center, Health Services, Physical Education Department, and Athletics Department.

Residence for Tuition Purposes (<https://grad.ncsu.edu/admissions/residency/>).

Residency for Tuition Purposes

Residency Determination has been centralized for the state of North Carolina. Applicants and currently enrolled students who are claiming NC Residency or wish to apply for in-state residency for tuition purposes, are required to go through the [North Carolina Residency Determination Service \(RDS\)](https://ncresidency.cfnc.org/residencyInfo/home) (<https://ncresidency.cfnc.org/residencyInfo/home>). NOTE: A determination of out-of-state will be given to anyone who has not yet lived in North Carolina for 365 days.

If you are applying to a Graduate Program and claim to be an NC resident, follow the instructions on the application and complete your residency determination at ncresidency.org (<http://ncresidency.org>). Once you have received a validated residency decision from RDS, enter the Residency Determination Number (RCN) into your application. If you are ready to submit your application prior to completing your RDS determination or receiving your RCN number, you will have the opportunity to enter it later through your applicant portal. Entering your RCN after submission will not effect your application, but until it is provided, you will be considered an out-of-state applicant.

Updating your RDS determination with NC State: If your RDS decision or expiration date has changed since you originally provided NC State with your Residency Determination Number (RCN) number, you will need to complete the residency form in your [applicant portal](https://applygrad.ncsu.edu/apply/status) (<https://applygrad.ncsu.edu/apply/status>), or update it through NC State's self-service residency page: go.ncsu.edu/residencystatus (<http://go.ncsu.edu/residencystatus>). Click on the Personal Information tile followed by Residency Information, then enter your RCN in the corresponding box and select "Save RCN" and then "Request Residency Data" NOTE: You must have a unity ID to login to access this page.

Current graduate students applying for residency next year: Begin completing your residency acts (outlined below in the Basic Requirements of Residency) about a year before you will be applying for residency. You will need to wait until you have lived in North Carolina for 365 days before applying through the RDS system or you will automatically receive a determination of out-of-state. If you do apply too early, you can log back into your RDS account and Request a Reconsideration once you have met the 365 day requirement.

Any questions and concerns can be directed to: rdsinfo@ncresidency.org (<mailto:rdsinfo@ncresidency.org>), 919-835-2290, or 844-319-3640.

The tuition classification laws described here apply to all constituent institutions of the University of North Carolina – Public System and are taken from [NC G.S. 116-143](http://www.ncleg.net/EnactedLegislation/Statutes/HTML/ByArticle/Chapter_116/Article_14.html) (http://www.ncleg.net/EnactedLegislation/Statutes/HTML/ByArticle/Chapter_116/Article_14.html) and the [North Carolina State Residence Manual](http://www.northcarolina.edu/sites/default/files/documents/residence_manual_aug_2010.pdf) (http://www.northcarolina.edu/sites/default/files/documents/residence_manual_aug_2010.pdf).

RDS Troubleshooting

REASONS WHY YOU MAY BE SEEING OUT-OF-STATE ON YOUR BILL OR ADMISSION LETTER, EVEN AFTER RECEIVING A DECISION OF IN-STATE FROM RDS:

Residency classifications from RDS are only valid for 15 months. Therefore, if you have applied to a graduate program and completed your RDS determination over 15 months prior to the start of your admit term, your tuition classification at the time of admission will show as Out-of-state. This is the case even if you initially received a decision of In-state from RDS. You will need to go back to RDS to request a "reconsideration" that should extend the expiration date of your In-state determination. Ideally, you would do this about a year, or less than 15 months before the start of date of your first semester of enrollment. You will then need to update your record by following the steps described above in the "Updating your RDS with NC State" section.

Expiration dates of documents are factor in RDS determinations. If you are an international student holding a visa or green card with an expiration date prior to the start date of your intended or next semester of enrollment, your residency determination will have an expiration date matching your visa or green card document.

RDS is strict with all dates, including students who fall under the Active Duty Military Exception (outlined below). The report date on the active duty member's military orders or affidavit determines the day the student's eligibility for in-state tuition begins. Until it is exactly that date, the student's residency determination will show as out-of-state.

Basic Requirements of Legal Residency

1. Have 12 months of physical presence in North Carolina.

Have held legal residency for at least 12 months prior to the start of the requested term.

Demonstrate that you are a legal resident of North Carolina and not just temporarily residing in the state as a student.

Have not had any significantly long breaks in physical presence in North Carolina for the past 12 months.

2. Have the financial and legal ability to establish a domicile.

Be (mostly) financially independent from non-North Carolina parents or guardians.

Not be a tax dependent of non-North Carolina parents or guardians.

Be able to show that you can financially support yourself independent of any out of state sources.

Have an independent financial aid status, if using financial aid.

3. Demonstrate the intent to make North Carolina your home aside from attending school.

Complete a cluster of residency acts a year prior to the start of the requested term.

Not hold ties to another state that would indicate you are a resident of that state.

Explain why some residency acts may not have been able to be completed, if that is the case.

Special Exceptions

1. Active-Duty Military Stationed in North Carolina, their spouses and their dependents (legal residency is not required to use this benefit).
2. Full-Time UNC System Employees, their spouses and their dependents (you must be a legal resident of any duration to use this benefit).

Marriage Benefit

If you currently residing in North Carolina and married to a legal North Carolina resident, you are permitted to use your spouse's time in the state and residentiary acts as your own. Your own abode must be in North Carolina.

International Students

International students may or may not have the capacity to establish a domicile. For those who have capacity, the requirements are the same as those for U.S. Citizens. Examples of eligible immigration classifications are:

Permanent Resident, A-1, A-2, E-1, E-2, E-3, G-1, G-2, G-3, G-4, H-1B, H-1C, H-4, I, K-1, K-2, K-3, K-4, L-1A, L-1B, L-2, N, O-1, O-3, P-1, P-2, P-3, P-4, R-1, R-2, T-1, T-2, T-3, T-4, T-5, TPS, U-1, U-2, U-3, U-4, U-5, V-1, V-2, and V-3

Those who do not have capacity cannot qualify as residents for tuition purposes, regardless of any other factors. Ineligible immigration classifications include: B, C, D, F, J, M Q, S, and TN visas and DACA

Financial Aid

Graduate students may receive financial support through fellowships, traineeships and teaching or research assistantships sponsored by federal, state and private agencies. A graduate student must be in good academic standing (3.000 GPA or better) to be eligible for appointment to an assistantship, fellowship, or traineeship and must be registered in each semester in which the appointment is in effect. There are also minimum registration requirements for eligibility for tuition and health insurance benefits.

[Assistantships \(https://grad.ncsu.edu/faculty-and-staff/student-funding/assistantships/\)](https://grad.ncsu.edu/faculty-and-staff/student-funding/assistantships/)

[Fellowships \(https://grad.ncsu.edu/faculty-and-staff/student-funding/fellowships/\)](https://grad.ncsu.edu/faculty-and-staff/student-funding/fellowships/)

[Graduate Student Support Plan \(https://grad.ncsu.edu/students/gssp/\)](https://grad.ncsu.edu/students/gssp/)

The [Office of Scholarships and Financial Aid \(https://emas.ncsu.edu/units/scholarships-and-financial-aid/\)](https://emas.ncsu.edu/units/scholarships-and-financial-aid/) (OSFA) assists students and parents in applying for and securing financial assistance when family resources are insufficient to meet educational expenses. The OSFA offers assistance with any part of the financial aid process (including scholarships, grants, loans and campus employment), as well as providing financial aid counseling assistance.



NORTH CAROLINA STATE UNIVERSITY

THE GRADUATE SCHOOL

Graduate Degrees | Minors | Graduate Certificates | Courses or Other Support to Graduate Programs

Fields Offering Graduate Degrees

The Graduate School offers major programs of study in the following fields. Except where noted by an exception in parentheses, these programs required the Graduate Records Examination (GRE) scores and will not take action on applications unless accompanied by scores for at least the GRE General (Aptitude) Test (verbal, quantitative and analytical):

Accounting - MR (GMAT)

Adult and Community College Education - EdD, MS, MEd (GRE, MAT)

Aerospace Engineering - PhD, MS (GRE)

Agricultural and Extension Education - EdD, MS, MR (GRE)

Agricultural and Resource Economics - MS (None)

Analytics - MS (None)

Animal Science - MS, MR (GRE)

Animal Science & Poultry Science - PhD (GRE)

Anthropology - MA (GRE)

Applied Mathematics - PhD, MS (GRE)

Architecture - MR (GRE)

Art and Design - MR (GRE (GRE only required for students with undergraduate cumulative GPA of less than 3.0 or as directed by Graduate Program Directors.))

Biochemistry - PhD, MS, MR (GRE)

Bioinformatics - PhD, MR (GRE)

Biological and Agricultural Engineering - PhD, MS, MR (GRE)

Biology - PhD, MS, MR

Biomanufacturing - MS, MR (GRE)

Biomathematics - PhD, MS, MR (GRE)

Biomedical Engineering - PhD (GRE)

Business Administration - MR (GRE, GMAT)

Chemical Engineering - PhD, MS, MR (GRE)

Chemistry - PhD (GRE)

Civil Engineering - PhD, MS, MR (GRE)

Climate Change and Society - MR (None (GRE: please provide scores if available. In lieu of GRE scores the program may request an interview or portfolio of professional work.))

Clinical Mental Health Counseling - MS, MEd (GRE, MAT)

College Counseling and Student Development - MS, MEd (GRE, MAT)

Communication - MS (GRE)

Communication Rhetoric and Digital Media - PhD (GRE)

Comparative Biomedical Sciences - PhD, MS (GRE (GRE scores required for all students except those with a DVM degree from the United States))

Computer Engineering - PhD, MS (GRE)

Computer Networking - MS (GRE)

Computer Science - PhD, MS, MR (GRE)
Creative Writing - MFA (GRE)
Crop Science - PhD, MS, MR (GRE)
Curriculum and Instruction - MS, Med (GRE, MAT)

Design - PhD, DDES (GRE)

Economics - PhD, MR, MS (GRE (GRE is only required for doctoral applicants.))
Educational Administration and Supervision - EdD (GRE, MAT)
Educational Leadership, Policy and Human Development - PhD (GRE)
Electric Power Systems Engineering - MS (GRE)
Electrical Engineering - PhD, MS (GRE)
Elementary Education - MS, MEd (None)
Engineering - MR
English - MA (GRE)
Entomology - PhD, MS (GRE)
Environmental Assessment - MR
Environmental Engineering - MS, MR (GRE)

Fiber and Polymer Science - PhD (GRE)
Financial Mathematics - MR (GRE)
Fisheries, Wildlife, and Conservation Biology - PhD, MS, MR (GRE)
Food Science - PhD, MS, MR (GRE)
Foreign Languages and Literatures - MA
Forest Biomaterials - PhD, MS, MR (GRE)
Forestry and Environmental Resources - PhD, MS, MR (GRE)
Functional Genomics - PhD, MS, MR (GRE)

Genetics - PhD, MS, MR (GRE)
Geospatial Analytics - PhD
Geospatial Information Science and Technology - MR
Graphic Design - MR (GRE (International students must submit English proficiency scores: TOEFL (minimum 100) or IELTS (minimum 7).))

Higher Education Administration - MS, Med (GRE)
History - MA (GRE)
Horticultural Science - PhD, MS, MR

Industrial Design - MR (GRE)
Industrial Engineering - PhD, MS, MR (GRE)
Integrated Manufacturing Systems Engineering - MR (GRE)
International Studies - MR (GRE)

Landscape Architecture - MR (GRE)
Learning and Teaching in STEM - PhD (GRE)
Learning Design and Technology - MS, MEd
Liberal Studies - MA (None)

Management - MR
Marine, Earth, and Atmospheric Sciences - PhD, MS (GRE)
Materials Science and Engineering - PhD, MS, MR (GRE)
Mathematics - PhD, MS (GRE)
Mathematics Education - MS, Med
Mechanical Engineering - PhD, MS (GRE)

Microbial Biotechnology - MR (GRE)

Microbiology - PhD, MS, MR (GRE)

Nanoengineering - MR (GRE recommended if available but not required)

Natural Resources - MS, MR (GRE)

Nuclear Engineering - PhD, MS, MR (GRE)

Nutrition - PhD, MS, MR (GRE)

Operations Research - PhD, MS, MR (GRE)

Parks, Recreation, and Tourism Management - PhD, MS, MR

Physics - PhD, MS (GRE)

Physiology - MS, MR (GRE)

Plant Biology - PhD, MS, MR (GRE)

Plant Pathology - PhD, MS, MR (None)

Poultry Science - MS, MR (None)

Psychology - PhD, MS (GRE)

Public Administration - PhD, MR (GRE)

Public History - PhD, MA (GRE)

School Administration - MR (GRE, MAT)

School Counseling - MS, MEd (GRE, MAT)

Science Education - MS, Med

Social Work - MR

Sociology - PhD, MR (GRE)

Soil Science - PhD, MS, MR (GRE)

Special Education - MS, MEd (GRE, MAT)

Statistics - PhD, MR (GRE)

STEM Education - MS, Med

Teacher Education and Learning Sciences - PhD (GRE)

Teaching - MA (None)

Technical Communication - MS (GRE)

Technology Education - MS, Med

Textile Chemistry - MS (GRE)

Textile Engineering - MS (GRE)

Textile Technology Management - PhD (GRE, GMAT, MAT)

Textiles - MS, MR (GRE)

Toxicology - PhD, MS, MR (GRE)

Training and Development - MEd (None)

Youth, Family, and Community Sciences - MS, MR (None)

Departments not normally requiring GRE scores may in special instances require their submission as additional information to be used in making a judgment of the student's potential for success in a graduate program.

Fields Offering Minors

The following fields and units, while not offering graduate degrees, support graduate education by offering graduate minors:

Biotechnology

Cognitive Science
Computational Engineering and Science
Ecology
Environmental Remote Sensing and Image Analysis
Food Safety
Genetic Engineering and Society
Geographic Information Systems
Interdisciplinary
Plant Physiology
Water Resources
Women's & Gender Studies

Departments not normally requiring GRE scores may in special instances require their submission as additional information to be used in making a judgment of the student's potential for success in a graduate program.

Fields Offering Graduate Certificates

The following fields and units, while not offering graduate degrees, support graduate education by offering graduate certificates:

Administration and Leadership - Family and Youth Programs
Agricultural and Extension Education
Applied Statistics and Data Management
Biology for Educators
City Design
Climate Adaptation
Consumer Textile Product Design and Development
Counselor Education
Data Science Foundations
Digital Humanities
Downstream Biomanufacturing
Energy and Technology in Architecture
Environmental Assessment
Family Life Education and Coaching
Feed Science
Finance
Geographic Information Systems
Horticultural Science
Leadership and Volunteer Management
Marketing
Materials Science and Engineering
Mathematics
Mathematics Teaching and Learning
Medical Devices
Military Land Sustainability
Molecular Biotechnology
Nano-Systems Engineering
Nanobiotechnology
Nonprofit Management
Nonwovens Science and Technology
Nuclear Nonproliferation Science and Policy
Operations and Supply Chain Management

Policy Analysis
Professional Communication and Managerial Skills
Program Development in Family Life Educ Grad Certificate
Public Interest Design
Renewable Electric Energy Systems
Special Education: Multi-Tiered Systems of Support
Sport and Entertainment Venue Management
Statistics Education
Tax Analytics and Technology
Teaching Training and Educational Technology
Technology Entrepreneurship and Commercialization
Textile Brand Management and Marketing
Textile Supply Chain Management
Upstream Biomanufacturing
Watershed Assessment and Restoration
Youth Development and Leadership

Departments not normally requiring GRE scores may in special instances require their submission as additional information to be used in making a judgment of the student's potential for success in a graduate program.

Fields Offering Courses or Other Support to Graduate Programs

The following fields and units, while not offering graduate degrees, support graduate education by offering graduate courses or in some other capacity:

Biological Sciences
Education
Multidisciplinary Studies
Philosophy and Religious Studies

Accounting

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Accounting						Y		

GRADUATE FACULTY

K. Krawczyk, *Department Head*

Directors of Graduate Programs:

D. S. Showalter, Box 8113, scott_showalter@ncsu.edu, Accounting

S. G. Allen, Box 8114, 919/515-5584, steve_allen@ncsu.edu, Business Management

Named Professors: M. S. Beasley, F. A. Buckless; **Professors:** M. Bradford, B. C. Branson, J. F. Brazel, Y. A. Chen, K. Krawczyk, D. P. Pagach, R. B. Sawyers, P. F. Williams; **Emeritus Professors:** R. L. Peace; **Associate Professors:** R. Pennington, A. P. Schmidt, E. Z. Taylor, G. J. Zuckerman; **Emeritus Associate Professors:** R. L. Wright; **Teaching Professors:** D. S. Showalter

The Master of Accounting (MAC) is a professional degree designed to prepare students for careers in public accounting, in the accounting and finance divisions of major corporations, and in education, government, and non-profit institutions. Job titles of recent graduates include Staff Accountant, Internal Auditor, Financial Analyst, Budget Analyst, Cost Accountant, Tax Specialist, Assistant Controller, SBI Agent, State Auditor, and Internal Revenue Agent. Graduates will also be prepared to complete the CPA Examination.

Admission Requirements: Admission to the MAC program is competitive. The best-qualified applicants will be accepted up to the number of spaces available for new students. The Admissions Committee evaluates candidates on three criteria:

- undergraduate academic record and grade point average;
- GMAT score*;
- "Leadership" -- relevant activities and/or work experience; and presence, leadership, integrity, and other personal characteristics.

[*The Admissions Committee requires all applicants who score below 530 on their first attempt to retake the GMAT exam prior to the application deadline.]

Individuals with a Bachelor's degree in any major may apply to the program; however, any applicant without a Bachelor's degree in Accounting must complete a series of undergraduate Accounting prerequisites before qualifying as a MAC degree candidate. More complete information can be found on the [MAC website](#).

Master's Degree Requirements: Students complete an 11-course sequence in one year that includes eight graduate-level Accounting courses and three non-Accounting MBA courses (31 total credit hours). The curriculum is designed to provide a broad-based professional education. Students can choose to obtain a concentration in Information Technology (IT), Enterprise Risk Management (ERM), or Tax Strategy.

Other Relevant Information: Masters students must begin the degree program in the summer or in the fall semester. The program is primarily designed for full-time students, and most classes meet during the day. A limited part-time option, where students complete the program in two years, is also available.

All application materials are due by one of three application deadlines - **December 1** for early admission and

consideration in both the MAC Fellowship and Scholarship programs; **February 1** for final consideration in both the MAC Fellowship and Scholarship programs; **March 1** for all other applicants.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Agricultural and Human Sciences

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Agricultural and Extension Education		Y		Y		Y		

GRADUATE FACULTY

Director of Graduate Programs:

J. A. Bruce, Box 7607, jabruce2@ncsu.edu, Agricultural and Human Sciences

Named Distinguished Professors: D. J. Werner; ***Professors:*** C. E. Farin, J. L. Flowers, B. M. Kirby, R. W. Shearon, E. B. Wilson; ***Adjunct Professors:*** M. M. Baker; ***Emeritus Professors:*** B. Croom, D. M. Jenkins, T. T. McKinney, G. E. Moore, R. D. Mustian; ***Associate Professors:*** J. A. Bruce, K. S. Jayaratne, M. J. Kistler, T. D. Park, W. J. Warner; ***Adjunct Associate Professors:*** D. A. Boone, R. J. Harrell; ***Emeritus Associate Professors:*** R. M. Stewart; ***Assistant Professors:*** K. E. McKee, J. Morgan; ***Adjunct Assistant Professors:*** M. Addor; ***Teaching Associate Professors:*** C. V. Jordan

The Agricultural and Human Sciences Department provides advanced study for professionals in agricultural education, extension education, and related careers. Programs of study are designed to meet the individual needs of the student. Courses may be selected that lead to advanced teacher licensure in agriculture or an emphasis in extension education leading to advancement in careers with the Cooperative Extension Service. Additional specialization is provided through a minor and/or advised elective courses. The following graduate programs in Agricultural and Extension Education are available in the Department:

Graduate Certificate in Agricultural and Extension Education (requires 15 hours)

Master of Science in Agricultural and Extension Education (requires 36 hours including a thesis)

Master of Agricultural and Extension Education (requires 36 hours)

Master of Agricultural and Extension Education (a 100% Internet-based degree program requires 36 hours)

Sixth-Year Certificate in Agricultural Education

Doctor of Education in Agricultural and Extension Education (requires 72 hours)

Admission Requirements: In addition to the Graduate School admission requirements, the Agricultural and Extension Education graduate program requires for full admission:

- A minimum undergraduate GPA of 3.0 for Masters students; a minimum graduate GPA of 3.5 for Doctoral students
- A minimum GRE combined General Test score of 300 and 4.0 or better on the GRE Analytical Writing Test (GRE scores can be waived for Masters applications with the completion of a 3.0 or higher in six credit hours of graduate-level courses)
- Three references
- A statement of purpose: Prospective graduate students will draft a statement of purpose for graduate work. If the student intends to complete a thesis or dissertation, the statement should also indicate the nature of potential research work, including possible topics or questions, and minimally two professors from the Agricultural and Human Science department whose research areas potentially align with those possible research topics. Prospective students should plan to meet with faculty prior to submitting their applications to discuss the research with those professors and include those ideas in the statement.
- An interview (personal or by telephone) may also be required.

Master's Degree Requirements: The Department offers an M.S. degree, which requires a thesis for which the student receives six hours of credit, and a Master of Agricultural and Extension Education as a non-thesis track. All Master's degree programs require a total of 36 credit hours. The student's advisory committee will meet with the student to determine the appropriate courses for their Plan of Work. Minors are optional but, if selected, require a minimum of

nine credit hours.

Graduate Certificate Requirements: The Department also offers a graduate certificate in agricultural and extension education. This certificate program involves completion of 15 credit hours and preparation of a professional portfolio. Based on the student's focus, they will choose from AEE 500, 501, 503, 522, 524, 529, 535, 641, and 735 for the Agricultural Education focus, and AEE 501, 521, 523, 533, 560, 577, 705, and 641 for the Extension Education focus.

Sixth-Year Certificate: The Department offers an array of courses that are recognized by the NC Department of Public Instruction as comprising a Sixth-Year Certificate. Students are required to complete 24 hours of advanced graduate work past the Master's degree. Contact the Director of Graduate Programs for details.

Doctoral Degree Requirements: A Doctor of Education (Ed.D.) degree in Agricultural and Extension Education is offered. A minimum of 72 hours past the Bachelor's degree is required. More hours may be required based upon the past degrees and experiences of the candidate. The student's graduate committee will determine the specific courses needed. At least six hours of statistics is required. Twelve hours of credit is earned for writing the dissertation (AEE 895). The student's advisory committee will meet with the student to determine the appropriate courses for their Plan of Work.

Student Financial Support: A limited number of research and/or teaching assistantships are available on a competitive basis. Applications for open positions are due in January for the following academic year. Other financial aid is available from the Office of Financial Aid and on a competitive basis from the Graduate School.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Analytics

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Analytics				Y				

GRADUATE FACULTY

Director of Graduate Programs:

M. Rappa, Box 7293, 919/513-0480, michael_rappa@ncsu.edu, Analytics

Named Professors: D. A. Dickey; ***Named Distinguished University Professors:*** M. Rappa; ***Professors:*** C. G. Healey, S. J. Simmons, R. S. Warr, L. A. Williams; ***Adjunct Professors:*** S. M. Hsiang; ***Emeritus Named Professors:*** C. P. Jones; ***Emeritus Professors:*** H. A. Devine, C. Meyer; ***Associate Professors:*** R. Y. Chirkova, J. B. Earp, B. A. Watson; ***Associate Professors of the Practice:*** S. Dasmohapatra; ***Adjunct Associate Professors:*** T. Xie

The Master of Science in Analytics (MSA) is an intensive 10-month degree with a strong practical orientation designed to give students a thorough understanding of the tools, methods, and applications of advanced analytics. The curriculum is designed entirely for MSA students and classes are taught as a cohort. Students work frequently in teams and receive hands-on training using real data with industry-standard software tools. Its educational objectives include but are not limited to topics such as data quality and integration, data and text mining, time series forecasting, optimization, survival analysis, and other areas of statistics; data visualization; data security, privacy, and ethics; project management and communication skills. Student team projects aim to provide experience with solving complex analytical problems in industry and in other areas of science and engineering.

Admission Requirements: Admission to the MSA program is highly competitive. The best-qualified applicants will be accepted up to the limited number of seats available for students each year. The Admissions Committee evaluates candidates on criteria such as:

- overall academic record and grade point average;
- academic performance in analytical/quantitative subjects;
- relevant employment experience and potential to succeed in the profession; and
- leadership, integrity, and other personal character traits.

Individuals with a bachelor's degree in any major may apply to the program; however, an applicant without prior coursework in statistics, mathematics, computer programming, would need to complete a set of prerequisite courses before qualifying as a candidate for admission. More information can be found on the [MSA website](#).

Master's Degree Requirements: Students complete 30 credit hours of defined coursework in a period of ten months beginning in Summer Session II and ending the following Spring semester. The integrated curriculum is designed to provide a focused education in the software tools, methods and applications of data analytics.

Other Relevant Information: Students must begin the degree program in the first semester (Summer Session II) and complete all 30 credit hours of the curriculum. The program is designed for full-time students only. Applications for admission are reviewed between November and April. International applicants must apply early.

Click on [Graduate Courses](#) for current course information.

Animal Science & Poultry Science

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Animal Science & Poultry Science	Y							

GRADUATE FACULTY

Directors of Graduate Programs:

J. Eisemann, Box 7621, 919/515-4044, joan_eisemann@ncsu.edu, Animal Science

J. L. Grimes, Box 7608, 919/515-5406, jesse_grimes@ncsu.edu, Poultry Science

Named Professors: W. L. Flowers; **Named Distinguished Professors:** J. T. Brake, P. R. Ferket, J. Odle, C. J. Schal; **Professors:** G. W. Almond, K. E. Anderson, C. M. Ashwell, D. K. Carver, P. A. Curtis, F. W. Edens, J. Eisemann, K. L. Esbenshade, C. E. Farin, V. Fellner, J. L. Grimes, S. W. Kim, D. K. Larick, H. Liu, M. S. Merrill, J. A. Moore, P. E. Mozdziak, E. O. Oviedo-Rondon, J. N. Petite, R. M. Petters, J. A. Piedrahita, M. H. Poore, M. T. See, P. D. Siciliano, E. VanHeugten, D. P. Wages; **Adjunct Professors:** R. D. Boyd, J. B. Golden, W. O. Herring, E. A. Koutsos, S. M. Shane, Z. Uni; **Emeritus Named Professors:** E. Eisen; **Emeritus Professors:** B. P. Alston-Mills, G. A. Benson, L. S. Bull, T. A. Carter, V. L. Christensen, R. G. Crickenberger, J. D. Garlich, W. M. Hagler, R. W. Harvey, G. B. Havenstein, W. L. Johnson, J. R. Jones, C. A. Lassiter, J. Luginbuhl, R. L. McCraw, W. M. Morrow, R. M. Myers, C. R. Parkhurst, O. W. Robison, F. D. Sargent, B. W. Sheldon, J. C. Shih, T. D. Siopes, S. P. Washburn, L. W. Whitlow, J. C. Wilk, C. M. Williams; **Associate Professors:** R. B. Beckstead, D. J. Hanson, M. T. Knauer, M. D. Koci, C. Maltecca, S. E. Phillips, D. H. Poole, K. E. Saker, G. Valacchi; **Adjunct Associate Professors:** R. J. Harrell, C. R. Stark; **Emeritus Associate Professors:** E. U. Dillard, M. D. Whitacre; **Assistant Professors:** D. A. Esposito, A. C. Fahrenholz, K. A. Livingston, C. C. Nestor, S. H. Ward; **Research Assistant Professors:** F. Tiezzi Mazzoni Della Stella Ma; **Adjunct Assistant Professors:** K. A. Gray, C. L. Heggen-Peay, T. F. Middleton, D. W. Newcom, C. J. Williams; **Extension Assistant Professors:** D. D. Harmon; **Teaching Associate Professors:** S. Trivedi; **Teaching Assistant Professors:** K. D. Ange-Van Heugten

Doctoral Degree Requirements: A doctoral degree in Animal Science and Poultry Science with a concentration in either Animal Science or Poultry Science is offered. Specific course requirements are flexible and each student's program is developed in consultation with their Ph.D. advisory committee. The minor is optional but external faculty representation is required on the advisory committee.

Note: The Master's programs in Animal Science or Poultry Science are administered independently by each department.

Admission Requirements: Factors considered for admission include: grade point average, scores on the GRE, undergraduate courses, experiences, statement of interest, and letters of recommendation. A member of either the Department of Animal Science or Department of Poultry Science faculty serves as the applicant's advisor.

Student Financial Support: The Departments of Animal Science and Poultry Science offer a limited number of research and teaching assistantships that are awarded on a competitive basis. Students are also supported by research grant funds awarded to faculty members. The total support package includes health insurance, tuition, and a stipend. Students applying for these assistantships should apply by January 31 for fall admission.

Other Relevant Information: There are two curriculum codes for the Animal Science and Poultry Science doctoral degree program. If a student is interested in a program concentration in Animal Science, the appropriate curriculum code for the admissions application is ANA. If the student is interested in a program concentration in Poultry Science, the appropriate curriculum code for the admissions application is ANP. If the appropriate curriculum code is not selected, it will delay the department's receipt of the applicant's information from the Graduate School.

Click on [Graduate Courses - Animal Science](#) for current course information.

Click on [Graduate Courses - Poultry Science](#) for current course information.

[NCSU Graduate Catalog](#)

Animal Science

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Animal Science				Y		Y		

GRADUATE FACULTY

M. T. See, *Department Head*

Director of Graduate Programs:

J. Eisemann, Box 7621, 919/515-4044, joan_eisemann@ncsu.edu, Animal Science

Named Professors: W. L. Flowers; **Named Distinguished Professors:** J. Odle; **Professors:** G. W. Almond, J. Eisemann, K. L. Esbenshade, C. E. Farin, V. Fellner, F. Isik, S. W. Kim, D. K. Larick, H. Liu, M. S. Merrill, J. A. Moore, R. M. Petters, J. A. Piedrahita, M. H. Poore, M. T. See, P. D. Siciliano, E. VanHeugten, E. B. Wilson; **USDA Professors:** J. B. Holland; **Adjunct Professors:** R. D. Boyd, M. Choct, J. A. Hansen, E. A. Koutsos, W. B. Roush, T. A. van Kempen; **Emeritus Named Professors:** E. Eisen; **Emeritus Professors:** B. P. Alston-Mills, G. A. Benson, L. S. Bull, E. V. Caruolo, R. G. Crickenberger, W. J. Croom, W. M. Hagler, R. W. Harvey, W. L. Johnson, J. R. Jones, C. A. Lassiter, J. Luginbuhl, R. L. McCraw, W. M. Morrow, R. M. Myers, C. R. Parkhurst, O. W. Robison, F. D. Sargent, S. P. Washburn, L. W. Whitlow, J. C. Wilk, C. M. Williams; **Associate Professors:** D. J. Hanson, M. T. Knauer, C. Maltecca, S. E. Phillips, D. H. Poole, K. E. Saker, G. Valacchi; **Research Associate Professors:** L. Xi; **Adjunct Associate Professors:** R. J. Harrell; **Emeritus Associate Professors:** E. U. Dillard, M. D. Whitacre; **Assistant Professors:** D. A. Esposito, C. C. Nestor, C. L. Pickworth, S. H. Ward; **Research Assistant Professors:** F. Tiezzi Mazzoni Della Stella Ma; **Adjunct Assistant Professors:** D. S. Casey, J. V. Felts, A. G. Gernat, K. A. Gray, C. L. Heggen-Peay, J. W. Holl, R. O. Maguire, T. F. Middleton, D. W. Newcom; **Extension Assistant Professors:** D. D. Harmon; **Teaching Associate Professors:** S. Trivedi; **Teaching Assistant Professors:** K. D. Ange-Van Heugten

Animal science offers an opportunity for training in a diversity of basic sciences and the integration of such knowledge into the framework of a living system. Students can major in animal science or co-major in animal science and one of the following disciplines: biochemistry, genomics, genetics, microbiology, nutrition, physiology or statistics. Students can also concentrate in management and production areas.

Admission Requirements: Factors considered for admission include: grade point average, scores on the GRE, undergraduate courses, experiences, statement of interest, and letters of recommendation. In addition, a member of the Animal Science Graduate Faculty must be willing to serve as the applicant's advisor for the M.S. program.

Master of Science: A minimum of 30 credit hours, including 18 hours of graduate level course work in the degree program, is required. The minor is optional and external faculty representation is not required on the advisory committee.

Master of Animal Science: The non-thesis Master of Animal Science (MR) degree (Option B) requires a minimum of 36 credit hours, 19 credits of core courses and 17 credits of elective courses. Additional information regarding core courses and elective course requirements is on the [Animal Science Graduate Program](#) web site. The MR degree program is also offered through distance education.

Doctoral Degree Requirements: The department offers a Ph.D. program in [Animal Science and Poultry Science](#) with a concentration in Animal Science. A minimum of 72 graduate credit hours are required. For a student who already holds a Master's degree, upon initial admission a maximum of 18 credit hours from the Master's degree may be applied to this minimum.

Student Financial Support: A limited number of research and teaching assistantships are available through the department and are awarded on a competitive basis. Students are also supported by research grant funds awarded to faculty members. The total support package includes health insurance, tuition, and a stipend. Students applying for assistantships should apply by January 31 for fall admission.

Other Relevant Information: To provide an opportunity for students to develop their teaching skills, graduate students are required to assist in the departmental teaching program regardless of source of financial support. All graduate students in the Department of Animal Science who are mentored by departmental graduate faculty members are required to teach a minimum of one semester during their M.S. and Ph.D. programs.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Anthropology

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Anthropology					Y			

GRADUATE FACULTY

Director of Graduate Programs:

J. K. Millhauser, Box 8107, 919/513-0284, jkmillha@ncsu.edu, Sociology and Anthropology

Professors: A. H. Ross; **Associate Professors:** D. T. Case, K. L. Ebert, N. M. Haenn, A. Manzoni, J. M. Wallace;

Adjunct Associate Professors: W. E. Wormsley; **Assistant Professors:** M. A. DeSoucey, C. A. Juarez, S. C. McManus, J. K. Millhauser; **Adjunct Assistant Professors:** B. L. Clark; **Teaching Assistant Professors:** C. A. Lewald

The graduate degree in Anthropology is a 30-hour, two-year long Master of Arts program which will enable students to gain a deeper understanding of the behavior, beliefs, and evolutionary legacy of the human species. Students normally select a specialty area in which to focus their studies, such as archaeology, biological anthropology, or cultural anthropology.

The program provides excellent preparation for students wishing to pursue a Ph.D. in Anthropology. Graduates of the program may also pursue employment in a variety of areas including research and educational institutions, development organizations and non-profits, human resource management, cultural resource management, museums, or in physical anthropology or archeology labs.

Admissions Requirements: In addition to general Graduate School requirements, applicants are required to provide a completed application, including transcripts, GRE scores, three letters of recommendation, a personal statement, and a writing sample. CV or resume is optional but encouraged. The deadline for completed applications is January 10. The curriculum is set for fall admission only.

Master's Degree Requirements: The M.A. degree requires a total of 30 credit hours. All students take three hours of theory and select a specialty area, such as archaeology, bioarchaeology, or cultural anthropology. Students who write a master's thesis will take six hours of thesis research credit (ANT 695). Students completing a non-thesis (Option B) program take additional coursework in place of the six hours of ANT 695 credit.

Student Financial Support: A limited number of teaching and research assistantships are available on a competitive basis.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Architecture

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Architecture						Y		

GRADUATE FACULTY

D. B. Hill, *Department Head*

Director of Graduate Programs:

D. B. Hill, Box 7701, 919/515-8357, dbhill@ncsu.edu, Architecture

D. K. Gulling, Box 7701, 919/515-8362, dkgullin@ncsu.edu, Architecture

Professors: R. F. Abrams, T. M. Barrie, D. B. Hill, W. Place, J. P. Rand; **Professors of the Practice:** M. E. Purnell; **Emeritus Professors:** P. Batchelor, G. Bizios, M. J. Malecha, F. A. Rifki, H. Sanoff; **Associate Professors:** B. Bell, S. Cho, J. Coll-Barreu, D. K. Gulling, J. Hu, B. W. Laffitte, P. E. Morgado, S. G. Queen, K. J. Schaffer, J. O. Tector; **Adjunct Associate Professors:** M. Kentgens-Craig; **Assistant Professors:** T. L. Allen, B. Erdim; **Research Assistant Professors:** T. R. Rider; **Assistant Professors of the Practice:** G. D. Hallowell

The School of Architecture offers three tracks to the Master of Architecture degree: Track 1 is for applicants with a four-year undergraduate pre-professional degree in architecture from a National Architecture Accrediting Board (NAAB) accredited program and may be completed in two years of full-time study. Track 2 is for applicants holding a five-year NAAB-accredited Bachelor of Architecture degree and may be completed in three semesters of full-time study. Track 3 is for students with undergraduate degrees in fields other than architecture. Track 3 normally requires three semesters of preparatory work before entering the final two-year program of graduate study. Some applicants with design-related academic or professional experience may be able to complete the preparatory work in less time.

A variety of courses are available within the School of Architecture in urban and community design, architectural history and theory, material fabrication, professional practice, building technology and environmental systems.

Admission Requirements: In addition to documents required by the Graduate School, students apply to the Master of Architecture program by submitting the following documents by January 5: (1) Portfolio of work; (2) Completed School Personal Data Form; (3) GRE scores (Track 3 applicants only); (4) TOEFL/ IELTS scores (foreign language students only). Applicants will be considered on an individual basis. Exceptions to Graduate School policy may be made for students indicating other qualifications and professional experience.

Master's Degree Requirements: The school stipulates the minimum course credits based on educational and professional goals to individualize a plan of study.

Student Financial Support: The school awards scholarships, awards, and teaching assistantships competitively. It also supports national and statewide scholarships, fellowships, and awards. All support is merit based, not need based. No special application for such support is necessary at the time of admissions.

National Architectural Accrediting Board (NAAB): In the United States, most state registration boards require a degree from an accredited professional degree program as a prerequisite for licensure. The National Architectural Accrediting Board (NAAB), which is the sole agency authorized to accredit U.S. professional degree programs in architecture, recognizes three types of degrees: the Bachelor of Architecture, the Master of Architecture, and the Doctor of Architecture. A program may be granted a 8-year, 4-year, or 2-year term of accreditation, depending on the extent of its conformance with established educational standards.

Doctor of Architecture and Master of Architecture degree programs may consist of a pre-professional undergraduate degree and a professional graduate degree that, when earned sequentially, constitute an accredited professional education. However, the pre-professional degree is not, by itself, recognized as an accredited degree.

The NC State University School of Architecture offers the following NAAB accredited degree programs:

B.Arch (pre-professional degree + 30 graduate credits)

M.Arch Track 1 (pre-professional degree + 48 graduate credits)

M.Arch Track 3 (non-pre-professional degree + 96 credits)

Next Accreditation Visit for All Programs: 2026

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Art and Design

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Art and Design						Y		

GRADUATE FACULTY

Directors of Graduate Programs:

E. Polyak, Box 7701, epolyak@ncsu.edu, Art and Design

T. L. Allen, Box 7701, 617/388-1078, tlallen2@ncsu.edu, Art and Design

Professors: S. D. Brandeis, C. D. Cox, H. P. Marchant Montenegro, J. M. Searce; ***Emeritus Professors:*** C. E. Joyner; **Associate Professors:** L. M. Diaz, P. J. Fitzgerald, R. A. Flinchum, S. G. Queen, K. C. Rieder, M. E. Russo; **Associate Professors of the Practice:** P. D. Lovell; ***Emeritus Associate Professors:*** V. K. Plume, D. G. Raymond, S. M. Toplikar; **Assistant Professors:** T. L. Allen, T. M. Berreth, K. A. Diuguid, J. D. LeBlanc, C. Mouat Croxatto, E. Polyak; **Teaching Assistant Professors:** T. L. Temple

The Art and Design program offers an educational structure that creates a new art and design professional: one for whom artistic and practical talents are developed as different expressions of individual potential. Our objectives are to graduate highly educated art and design professionals with integrated competencies in art, design, aesthetics, theory, hand and digital technologies, design process, and the combination of skills in the chosen concentration with other disciplines of human knowledge.

Areas of concentration in the Master of Art and Design are (1) Fibers and Surface Design, and (2) Animation and New Media.

Admission Requirements: Students will be required to submit a portfolio of past work in electronic format; three letters of recommendation; a statement of personal goals; and transcripts of undergraduate work (minimum undergraduate GPA of 3.0). An interview will be required, but in cases of international applicants or those quite distant from NC State University, may be conducted by means of a long distance phone conversation or may be waived at the faculty's discretion.

Masters Degree Requirements: The program of study requires a minimum of 48 credit hours of graduate work depending on background preparation of the applicant. Separate tracks of 60 and 72 credit hours accommodate students changing design disciplines or with insufficient background in the chosen concentration.

Other Information: We will only admit students to the program in the fall semester each year. Deadline for application is January 5.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Biochemistry

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Biochemistry	Y			Y		Y		

GRADUATE FACULTY

M. A. Simpson, *Department Head*

Directors of Graduate Programs:

J. J. Barycki, Box 7621, jjbaryck@ncsu.edu, Biochemistry

M. B. Goshe, Box 7622, michael_goshe@ncsu.edu, Biochemistry

Named Distinguished Professors: L. K. Hanley-Bowdoin; **Professors:** J. J. Barycki, D. T. Brown, J. W. Brown, H. M. Hassan, C. L. Hemenway, J. M. Horowitz, J. A. Knopp, J. M. Mackenzie, E. S. Maxwell, E. S. Miller, M. A. Simpson, K. R. Weninger, P. L. Wollenzien; **Research Professors:** J. Cavanagh; **Adjunct Professors:** R. E. Cannon, J. Cavanagh, J. D. Otvos; **Emeritus Professors:** J. S. Kahn, W. L. Miller, J. W. Moyer, E. C. Theil; **Emeritus Named Distinguished Professors:** H. R. Horton; **Emeritus Distinguished Professors:** R. R. Sederoff, H. E. Swaisgood; **Associate Professors:** M. B. Goshe, C. C. Hardin, F. Meilleur, R. B. Rose; **Research Associate Professors:** H. Gracz, R. Hernandez; **Adjunct Associate Professors:** D. F. Ferreira; **Assistant Professors:** C. J. Doherty, G. Xu; **Research Assistant Professors:** P. D. Swartz; **Adjunct Assistant Professors:** R. E. Cannon; **Teaching Assistant Professors:** J. T. Ascencio-Ibanez, D. G. Presutti

The graduate program in biochemistry is designed to prepare individuals for careers in research and teaching. Emphasis is primarily focused on laboratory research, where graduate students work closely with faculty. The department is well equipped to conduct research in biochemistry, biophysics, molecular biology and molecular genetics.

Admission Requirements: Students entering the graduate program in biochemistry should have a bachelor's degree in biochemistry, chemistry or a related physical or biological science, including undergraduate courses in organic chemistry, calculus, physics and physical chemistry, as well as biochemistry/molecular biology.

Master of Science Degree Requirements: The Master of Science degree requires a minimum of 30 credit hours of courses and thesis research including nine credit hours in biochemistry graduate core courses. On average, completion of the M.S. degree requires two to three years.

Doctoral Degree Requirements: Requirements for the Ph.D. degree include a minimum of 30 credit hours in course work and thesis research, including the three graduate core courses and at least two advanced courses in biochemistry/molecular biology; teaching experience. Formal course work may be completed within three semesters; on average, completion of the Ph.D. degree requires five years.

Student Financial Support: The department endeavors to meet the financial needs of students accepted into its doctoral program. Essentially all admitted students are offered the opportunity to apply for graduate teaching and research assistantships.

Other Relevant Information: The Department of Biochemistry is jointly administered by the Colleges of Agriculture and Life Sciences and Physical and Mathematical Sciences. The department, committed to a strong research environment, interacts with other life science departments on campus as well with the other research universities and institutes of the Research Triangle area.

Click on [Graduate Courses](#) for current course information.

Biological and Agricultural Engineering

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Biological and Agricultural Engineering	Y			Y		Y		

GRADUATE FACULTY

G. A. Fox, *Department Head*

Director of Graduate Programs:

J. J. Classen, Box 7625, 919/515-6755, john_classen@ncsu.edu, Biological and Agricultural Engineering

Named Professors: M. D. Boyette, W. F. Hunt; **Professors:** J. J. Cheng, M. S. Chinn, G. A. Fox, G. L. Grabow, S. A. Hale, L. W. Li, K. P. Sandeep, S. B. Shah, W. Yuan; **Adjunct Professors:** C. R. Daubert, B. E. Farkas; **Emeritus Professors:** R. O. Evans, G. D. Jennings, L. F. Stikeleather, D. H. Willits; **Emeritus Named Distinguished Professors:** R. W. Skaggs; **Associate Professors:** F. P. Birgand, M. R. Burchell, J. J. Classen, S. G. Hall, R. L. Huffman, P. Kolar, G. T. Roberson, M. A. Youssef; **Emeritus Research Associate Professors:** G. M. Chescheir; **Adjunct Associate Professors:** D. M. Amatya, P. N. Dugba, R. R. Sharma-Shivappa; **Assistant Professors:** C. F. Castro Bolinaga, N. Nelson, C. Sayde, J. K. Ward; **Research Assistant Professors:** C. Simmons; **Adjunct Assistant Professors:** E. Z. Bean, K. B. Cantrell, J. M. Hathaway, P. R. Puckett; **Extension Associate Professors:** B. A. Doll; **Extension Assistant Professors:** G. H. Ellington; **Emeritus Extension Professors:** J. Spooner

Course offerings or research facilities are available in the following areas: bioinstrumentation, biomechanics, bioprocessing, food and process engineering, biological systems modeling, aquaculture, hydrology, water table management, ground water management, animal waste management, non-point source pollution, power and machinery, soil and water, controlled environment agriculture, electrical and electronic systems, robotics and machine vision.

Admission Requirements: A baccalaureate in biological or agricultural engineering or the equivalent is the preferred prerequisite for admission. Those with strong academic background in the physical or biological sciences may also be admissible with a requirement for certain additional background undergraduate work. In the case of applicants with Master's degrees, a Master's GPA of at least 3.2 is required for admission. Exceptions to the overall undergraduate GPA requirements may be made for cases where performance in the major or during the last two years was at or above the 3.00 level.

GRE scores are recommended for those with academic performance records near the minimal level. Applicants without engineering degrees from domestic accredited institutions must submit GRE scores to be considered for admission. Admission decisions are made by a faculty review committee. The best-qualified applicants will be accepted up to the number of spaces available for new students.

Master's Degree Requirements

M.BAE: This Option B non-thesis degree requires 30 hours of approved graduate course work. This degree is available via Distance Education.

M.S.: This is a thesis degree requiring 30 hours of approved graduate coursework.

Doctoral Degree Requirements: Course hour requirements are flexible but typically include at least 36 hours beyond a Master's degree. Direct admission without a Master's is possible in exceptional cases. A minor is required.

Student Financial Support: Graduate assistantships are available to students in this program on a competitive basis.

Click on [Graduate Courses](#) for current course information.

Biology

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Biology	Y			Y		Y		

GRADUATE FACULTY

Director of Graduate Programs:

R. E. Irwin, Box 7617, reirwin@ncsu.edu, Zoology

Named Professors: W. G. Cope, R. R. Dunn, H. B. Patisaul; **Named Distinguished Professors:** R. R. Anholt; **Named Distinguished University Professors:** T. F. MacKay; **Professors:** D. D. Aday, B. L. Black, R. J. Borski, D. Buchwalter, J. A. Buckel, H. V. Daniels, D. B. Eggleston, J. R. Godwin, K. Gross, J. M. Hinshaw, R. E. Irwin, C. A. Layman, T. M. Losordo, J. A. Rice, A. H. Ross, M. H. Schweitzer, D. Shea; **Research Professors:** S. M. Belcher; **USDI Professors:** J. A. Collazo, T. J. Kwak, T. R. Simons; **Adjunct Professors:** A. E. Bogan, J. G. Boreman, J. J. Govoni, N. M. Haddad, J. E. Hightower, G. McMahon, J. Rogers, F. S. Scharf; **Emeritus Professors:** P. T. Bromley, B. J. Copeland, F. T. Corbin, P. D. Doerr, W. C. Grant, R. M. Grossfeld, T. L. Grove, H. F. Heatwole, R. A. Lancia, R. L. Noble, K. H. Pollock, J. F. Roberts, H. A. Underwood, J. G. Vandenberg, T. G. Wolcott; **Associate Professors:** A. Hartstone-Rose, R. B. Langerhans, C. J. Mattingly, N. M. Nascone-Yoder, M. Niedzlek-Feaver; **Adjunct Associate Professors:** A. B. Heckert, R. M. Shelley, B. L. Stuart; **Assistant Professors:** K. Marsden, L. A. McGraw, J. E. Meitzen, J. K. Pacifici, A. J. Planchart, B. J. Reading, R. B. Roberts, B. W. Taylor; **Research Assistant Professors:** J. R. Fischer, M. B. Reiskind, A. A. Smith, L. E. Zanno; **Adjunct Assistant Professors:** T. R. Black, A. E. Bogan, D. T. Cobb, L. B. Daniel, M. J. Eaton, R. J. Heise, C. J. Kendall, R. W. Laney, A. J. McKerrow, J. A. Morris, K. W. Shertzer, A. J. Terando; **Teaching Associate Professors:** M. D. Engell, M. G. Ferzli, J. L. Lubischer, L. D. Parks; **Lecturers:** L. B. Daniel

Areas of study include: cell biology, physiology, ecology, evolution, behavior, and fisheries, wildlife and conservation biology. Specializations within these areas include developmental biology, neurobiology, genomics, invertebrate biology, animal reproduction, biorhythms, behavioral ecology, community ecology, population ecology, conservation biology, fisheries ecology, wildlife field studies, aquaculture and others.

Application Deadlines: To guarantee consideration for funding, applications should be complete by the following dates: for Fall Semester admission both U.S. and international applicants should have their application materials completed by January 15; for Spring Semester the deadline is October 15 for U.S. applicants and international applicants. Please note that it typically requires four to six weeks from the date of your request until transcripts and letters of recommendation reach us. Applications received after the dates listed above will still be considered until the Graduate School deadlines (June 25 and November 25 for U.S. applicants, March 1 and July 15 for international applicants); however, opportunities for funding may be limited (note that the Biology Graduate Program does not accept M.S. and Ph.D. students without support).

Admission Requirements: It is important that you identify a potential faculty adviser, as this will greatly increase your chance of admission to NCSU's Biology Graduate Program. Although all applications are made available to faculty advisers for review, a graduate student will not be admitted to the Biology Program for graduate studies unless the prospective student has identified a faculty adviser. Once a faculty adviser has requested review of a prospective student, the application is then evaluated with regard to the applicant's potential for success in graduate school. The admissions process involves consideration of the ability of our program to accommodate students.

Successful applicants usually have a Bachelor's degree in Biological Sciences or a related field with at least an overall B average and a minimum number of courses in biology (and related fields) and supporting fields (6 in biology, 4 in chemistry, 2 in physics, and 2 in mathematics). In addition to the applicant's grades and coursework, we consider relevant experience (e.g., through internships, research experiences, volunteer or paid work, and publications), statement

of interest, and letters of recommendation. GRE scores are not required. We expect applicants for the MS degree to have at least a 3.0 GPA, and applicants for the PhD degree to have at least a 3.2 GPA. Research experience is highly recommended.

Master's Degree Requirements: M.S.: AEC502 and PHI816 (or equivalent) are required. No more than six hours of temporary courses (AEC/BIO/INB 624, 824) or two hours of departmental seminar can be included in the 30-hour requirement for the M.S. Six hours of research credits (INB 695) resulting in a thesis are required. A minor (usually 9-10 hours) is optional. Other requirements may be imposed by the advisor.

Doctoral Degree Requirements: AEC502 and PHI816 (or equivalent) are required. A student's advisory committee recommends appropriate courses which will provide a strong foundation in the student's area of interest. A minimum of 10 hours of research (INB 895) leading to a dissertation is required. A minor (usually 9-10 hours) is optional. Other requirements may be imposed by the advisor.

Concentrations: Students in all Biology Degree Programs must select a Concentration. Concentrations include Aquaculture and Aquatic Sciences, Molecular, Cellular and Developmental Biology, Ecology and Evolution, Integrative Biology, Physiology and Behavior, and Zoology. Consult the Biology Graduate Program Handbook for Concentration-specific requirements.

Student Financial Support: Graduate teaching and research assistantships are available to well-qualified M.S. and Ph.D. students.

Other Relevant Information: Students may also pursue degrees in interdepartmental programs in Biomathematics, Physiology, and Fisheries and Wildlife Sciences. Excellent research facilities, equipment and computers are available. Off-campus research is conducted at the Pamlico Aquaculture Field Laboratory, research and extension centers in Eastern and Western North Carolina, the Center for Marine Science and Technology in Morehead City, and at facilities of state and federal agencies and private organizations. Field work can be conducted at nearby natural areas and laboratory work at various state and federal laboratories associated with the department. For additional information see the Biology Graduate Program web pages: <https://cals.ncsu.edu/applied-ecology/students/graduate/biology/> and <https://bio.sciences.ncsu.edu/graduate/graduate-programs/Biology>.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Biomanufacturing

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Biomanufacturing				Y		Y		

GRADUATE FACULTY

Director of Graduate Programs:

B. M. Rao, Box 7905, bmr@ncsu.edu, Chemical and Biomolecular Engineering

Named Professors: A. M. Grunden; **Named Distinguished Professors:** R. G. Carbonell; **Professors:** M. C. Flickinger, H. H. Lamb, P. E. Mozdziak, H. A. Sederoff, J. D. Sheppard; **Research Professors:** I. Y. Perera; **Associate Professors:** P. T. Hamilton, G. J. Williams; **Research Associate Professors:** K. Efimenko; **Assistant Professors:** S. Menegatti; **Teaching Associate Professors:** G. L. Gilleskie; **Teaching Assistant Professors:** J. H. van Zanten

The Golden LEAF Biomanufacturing Training and Education Center (BTEC) has established two new graduate degrees -- a Master of Biomanufacturing (MR) and a Master of Science (MS) in Biomanufacturing. These degrees may be taken full-time or part-time. The MS in Biomanufacturing requires completion of advanced hands-on courses in the BTEC simulated cGMP facility, global regulatory affairs training and is a research-based degree which requires a written thesis in addition to selected bioscience-focused MBA coursework. The Master of Biomanufacturing (non-thesis) combines advanced biomanufacturing cGMP BTEC courses, global regulatory affairs training with additional bioscience-focused MBA courses taught by faculty from the Jenkins Graduate School of Management, and is designed to prepare program graduates to work as managers and for leadership positions in the biomanufacturing industries. Both the MR and MS degrees include professional skills training in effective oral, electronic and written communication for both technical and business careers. Most coursework and required laboratory courses are offered in the evenings at BTEC to accommodate working professionals.

Admission Requirements: Admission to the BIOM program requires completion of an undergraduate degree in engineering, life science or physical sciences, letters of recommendation, and a statement of career goals. A minimum overall grade point average of 3.0 and GRE scores in the 80th percentile are also required. Applicants with previous industry experience or working professionals are strongly encouraged to apply.

Master's Degree Requirements

Master of Biomanufacturing. BIOM students will complete a minimum of 36 total credit hours including 3 credit hours of biomanufacturing industry internship, 6 credits of industry practicum case studies, 2 credit hours of process-focused research experience under the direction of a graduate advisor, 3 credits of global regulatory affairs and 9 credits of MBA courses in project management, biosciences management and business foundations. Students will submit final written reports that summarize their internship as well as their research experience and will make a presentation to the BIOM graduate faculty.

Master of Science. The Master of Science degree also requires a minimum of 36 credit hours. Similar to the MR, the BIOM Master of Science curriculum will combine interdisciplinary coursework with 6 MBA credits including a course in project management. In addition, the BIOM Master of Science program will provide more experience in bioprocess development research to familiarize students with the methods, ideals and goals of independent investigation, the concepts of quality by design (QbD), and methods used in industry for design of experiments (DoE) to define design space for industrial processes. As a consequence of the stronger focus on research, BIOM Master of Science students will complete 4 credit hours of industry-focused process research mentored by their BIOM graduate advisor. Each student will submit a written thesis, which will be presented to the student's BIOM graduate advisory committee.

Student Financial Support: A limited number of full-time participants in the Master of Biomanufacturing program

may be eligible for industry-sponsored graduate scholarships.

Other Relevant Information: BIOM accepts students in Spring and Fall Semesters. A 10 credit hour graduate minor is also available for NCSU students currently enrolled in other graduate programs. Two unique 12 credit Graduate Certificates: Upstream Biomanufacturing and Downstream Biomanufacturing are also offered for MR students currently enrolled in other graduate programs. Individuals interested in the BIOM program looking for more information should contact: Chris Smith, BIOM Academic Program Coordinator. (919) 513-2195, chris_smith4@ncsu.edu.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Biomathematics

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Biomathematics	Y			Y		Y		

GRADUATE FACULTY

Director of Graduate Programs:

A. L. Lloyd, Box 8213, 919/515-1910, allloyd@ncsu.edu, Mathematics

Named Distinguished Professors: Z. Zeng; ***Named Distinguished University Professors:*** H. T. Banks, C. K. Hall; ***Professors:*** K. Gross, M. Haider, J. M. Haugh, G. R. Hess, A. L. Lloyd, S. R. Lubkin, G. G. McRae, S. V. Muse, M. Olufsen, S. M. Sullivant, J. L. Thorne, H. T. Tran; ***Adjunct Professors:*** J. T. Betts, M. A. Coffin, R. B. Conolly, N. M. Haddad, C. L. Hughes, P. H. Morgan, J. T. Ottesen, R. W. Setzer, E. A. Stone; ***Emeritus Professors:*** J. W. Bishir, M. L. Hauck, K. H. Pollock, H. E. Schaffer, J. F. Selgrade, R. E. Stinner; ***Emeritus Named Distinguished Professors:*** W. R. Atchley, J. E. Riviere; ***Associate Professors:*** R. B. Langerhans, B. J. Reich, C. E. Smith; ***Adjunct Associate Professors:*** W. O. McMillan; ***Assistant Professors:*** B. S. Akpa, K. B. Flores, R. Ke, R. Sozzani; ***Adjunct Assistant Professors:*** S. Bhattacharya, G. Bobashev, J. S. Kimbell, A. Mokhtari, Q. Zhang

Biomathematics is an interdisciplinary graduate program offering courses and research opportunities in basic and applied mathematical biology. Degree programs are flexible to accommodate students with backgrounds in the biological, mathematical or physical sciences. The program also offers Ph.D. and master's-level minors. Additional information on requirements, courses, faculty and current research can be found at the website www.ncsu.edu/biomath.

Admission Requirements: Applicants should have either a Bachelor's degree in biology with evidence of aptitude and interest in mathematics, or a bachelor's in a mathematical science with evidence of aptitude and interest in biology. Advanced (multivariate) calculus, linear algebra and general biology are prerequisites for all BMA courses, and deficiencies in these should be remedied during the first year of graduate study. The application must include a narrative statement (1-2 pages) of the applicant's goals and reasons for interest in the BMA program.

Master's Degree Requirements: The M.S. and M.BMA. degrees require BMA 771-772 and one other BMA course; two upper-level biology courses; and three courses from the mathematical sciences or statistical sciences. The M.S. degree requires a thesis, and the M.BMA. requires two additional courses and a written project.

Doctoral Degree Requirements: Course requirements consist of a "core" and a "concentration" in some area of biology or mathematical sciences. Core requirements are: BMA 771-772, 773 and 774; three upper-level biology courses from at least two areas (e.g., physiology and evolution); and additional courses from the mathematical or statistical sciences. Concentration consists of either a Ph.D. co-major in a biological or mathematical science or a coherent series of five graduate courses approved by the student's committee, which must include a two-semester sequence and at least one 700-level course.

Financial Assistance: TAs (generally in the Departments of Mathematics or Statistics). RAs and internships are available. Awards are based on GRE scores, transcripts, letters of recommendation, and the personal statement. RAs usually are held by continuing students. To receive **full** consideration for financial aid, the completed application must be received by January 15.

Other Relevant Information: All students are required to participate in the BMA Graduate Seminar. Course requirements can be met by examination or by demonstrating that an equivalent course was completed at another university.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Biomedical Engineering

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Biomedical Engineering	Y			Y				

GRADUATE FACULTY

N. L. Allbritton, *Department Head*

Director of Graduate Programs:

C. M. Gallippi, Box 7115, cmgallip@email.unc.edu, Biomedical Engineering

Named Professors: A. E. Tonelli; **Named Distinguished Professors:** F. S. Ligler; **Distinguished Professors:** O. A. Harrysson, H. T. Nagle, M. A. Vouk; **Distinguished University Professors:** D. L. Bitzer; **Professors:** N. L. Allbritton, G. D. Buckner, M. Chow, P. A. Dayton, M. G. Forest, R. P. Gardner, R. E. Gorga, E. Grant, M. Haider, S. A. Hale, H. Huang, A. Ivanisevic, C. Kleinstreuer, H. Krim, A. V. Kuznetsov, W. Lin, S. R. Lubkin, M. G. McCord, J. F. Muth, R. J. Narayan, M. Olufsen, H. C. Pillsbury, A. Rabiei, J. M. Ramsey, S. C. Roe, M. K. Stoskopf; **Research Professors:** J. Cavanagh; **Adjunct Professors:** J. Cavanagh, W. C. Holton, G. Lazzi, E. G. Lobo-Polefka, B. J. Oberhardt; **Emeritus Professors:** C. F. Abrams, R. M. Grossfeld, N. A. Monteiro-Riviere, S. A. Rajala, W. E. Snyder, L. F. Stikeleather, D. E. Thrall; **Associate Professors:** K. Cheng, R. G. Dennis, M. Gamcsik, Z. Gu, H. Huang, D. G. Kamper, D. S. Lalush, J. M. Macdonald, C. S. Nam, K. Saul, C. E. Smith, M. A. Tommerdahl, G. M. Walker, D. A. Zaharoff; **Research Associate Professors:** O. V. Favorov, R. L. Goldberg, G. S. McCarty; **Associate Professors of the Practice:** A. J. DiMeo; **Adjunct Associate Professors:** G. S. Sawicki; **Assistant Professors:** A. C. Brown, Y. Brudno, J. Cole-Husseini, M. Daniele, M. B. Fisher, J. R. Franz, D. O. Freytes, C. M. Gallippi, S. M. Gomez, X. Hu, G. F. Pinton, M. Sano; **Adjunct Assistant Professors:** M. Mohiti Asli; **Teaching Associate Professors:** L. A. Cartee, H. Orun

The Joint Biomedical Engineering Graduate Program is administered by the combined biomedical engineering graduate faculty from both North Carolina State University and University of North Carolina at Chapel Hill. The joint program also has close working relations with the Research Triangle Institute and industry within the Research Triangle area. These associations enable students to obtain research training in a wide variety of fields and facilitate the selection and performance of dissertation research. The department, thus, provides students with excellent opportunities to realize the goal of enhancing medical care through the application of modern technology.

Biomedical engineering is a dynamic field stressing the application of engineering techniques and mathematical analysis to biomedical problems. Faculty research programs are key to the program, and they include five primary research directions: rehabilitation engineering, regenerative medicine, biomedical imaging, microsystems engineering, and pharmacoengineering. The department offers graduate education in biomedical engineering leading to the master of science and doctor of philosophy degrees.

Students enter this program with backgrounds in engineering, physical science, mathematics or biological science. Curricula are tailored to fit the needs and develop the potential of individual students. In addition, courses in statistics, mathematics, life sciences and engineering sciences provide a well-rounded background of knowledge and skills.

Admission Requirements: Students must satisfy all entrance requirements for The Graduate School of the University of North Carolina at Chapel Hill or the Graduate School at North Carolina State University, and must demonstrate interest and capability commensurate with the quality of the biomedical engineering program. Prospective students may apply to the graduate school at either UNC–Chapel Hill or NC State. All applicants are considered together as a group. Generally, applications should be submitted by December 11 for consideration for admission in the coming fall semester. Applicants are expected to present Graduate Record Examination (GRE) scores; verbal scores should be at or above the 50th percentile and quantitative scores should be at or above the 70th percentile to be competitive. Admitted

students are expected to have an average grade of B (cumulative GPA 3.30) or better and are encouraged to have undergraduate research experience. The program requires that a one-to-three page personal statement about research interest and background be submitted.

Students should have a good working knowledge of mathematics at least through differential equations, plus two years of physical or engineering science and basic courses in biological science. Deficiencies in preparation can be made up in the first year of graduate training

Doctoral Degree Requirements: A minimum of 52 semester hours of graduate work is required (beyond the Bachelor's degree). Degree candidates in this program are expected to obtain experience working in a research laboratory during their residence and to demonstrate proficiency in research. The Ph.D. dissertation should be judged by the graduate committee to be of publishable quality. The student must meet the Graduate School's residency requirement at UNC-CH or NC State as appropriate. Further information on the BME Ph.D. program can be found on the [department website](#).

Required and highly recommended courses: Students are required to take a BME Seminar each semester which is offered at both UNC-CH and NC State. Students must also complete six credits of graduate engineering topics, six credits of graduate life science topics, three credits of engineering mathematics, and three credits of statistics. Students may choose from a number of courses to meet these requirements. Such choices are made in consultation with the student's academic advisor and the Director of Graduate Programs/Studies.

Comprehensive and Qualifying Examinations: Doctoral students qualify for the Ph.D. degree by meeting grade requirements in their core courses, and then advance on to written and oral preliminary exams before admission to candidacy. Details can be found on the [department website](#).

Click on [Graduate Courses](#) for more current course information.

For UNC courses, see [UNC Graduate Record](#).

[NCSU Graduate Catalog](#)

Business Management

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Business Administration						Y		

GRADUATE FACULTY

B. L. Kirkman, *Department Head*, Business Management

H. S. Heese, *Department Head*, Business Management

Director of Graduate Programs:

S. G. Allen, Box 8114, 919/515-5584, steve_allen@ncsu.edu, Business Management

Named Distinguished Professors: J. Carr, H. S. Heese; **Named Distinguished University Professors:** R. B. Handfield; **Distinguished Professors:** S. W. King; **Professors:** S. G. Allen, P. Arasu, S. H. Barr, J. W. Bartley, J. D. Bohlmann, C. C. Bozarth, M. Bradford, J. F. Brazel, Y. A. Chen, R. L. Clark, D. H. Henard, B. L. Kirkman, S. K. Markham, R. C. Mayer, A. Padilla, D. P. Pagach, F. C. Payton, B. B. Tyler, M. D. Walker, R. S. Warr, I. R. Weiss; **Professors of the Practice:** L. Shamblin; **Adjunct Professors:** R. E. Kouri; **Emeritus Named Professors:** C. P. Jones; **Emeritus Professors:** D. L. Baumer, G. W. Dickson, D. M. Holthausen; **Associate Professors:** B. R. Danielsen, J. B. Earp, J. A. Ellis, E. Kemahlioglu-Ziya, S. Krishnamurthy, K. Mitchell, P. W. Mulvey, J. M. Pollack, M. A. Stanko, J. S. Stonebraker, D. P. Warsing, G. S. Young, G. J. Zuckerman; **Adjunct Associate Professors:** C. M. Newmark; **Emeritus Associate Professors:** S. N. Chapman, K. S. Davis, C. W. Harrell, J. K. McCreery, E. A. McDermid, J. C. Poindexter; **Assistant Professors:** N. M. Bhawe, H. J. Dretsch, S. M. Robinson, J. D. Smith, Q. Wu; **Adjunct Assistant Professors:** M. D. Kowolenko; **Lecturers:** T. E. Balan, G. M. Devine

The Master of Business Administration (MBA) program develops business leaders for tomorrow's global markets and technologies. The Jenkins MBA program provides students with the requisite foundation in general business management, while also allowing time to focus on an area of particular interest. In pairing academic excellence with real-world experience, Jenkins MBA students are ready to meet global challenges head-on with practical, technology-driven solutions.

Students may choose to pursue an MBA through one of four platforms: the Full-time program on NC State's main campus; the Professional Evening program with locations on NC State's main campus as well as a RTP location; or the Online program.

Admission Requirements: In addition to the basic Graduate School admission requirements, full-time MBA applicants must submit recent GMAT/GRE scores, unless approved for a test waiver. Admission decisions for both full-time and working professional applicants are based on academic performance and potential, GMAT or GRE scores (when applicable), essays, recommendations, relevant work experience and an interview. Students must have previous coursework in statistics before entering the program. For further information, please visit the MBA website at www.mba.ncsu.edu.

Master of Business Administration: The MBA program requires every student to complete the core curriculum that includes coursework in accounting, economics, finance, marketing, operations / supply chain, organizational behavior, statistics and strategy, as well as communications and critical thinking and writing. Full-time students must complete a minimum of 56 credit hours; Professional Evening and Online students must complete a minimum of 40 credit hours.

Additional Requirements

Full-time: In addition to the core curriculum, students must complete a minimum of 12 elective hours within a concentration; an advanced analytics course; and a practicum. Students then have the opportunity to choose from a variety of elective courses to meet the 56 credit hour minimum.

Professional Evening and Online: In addition to the core curriculum, students must complete a minimum of 6 elective hours within an area of emphasis; an advanced analytics course; and a practicum. Students then choose from a variety of elective courses to meet the 40 credit hour minimum.

Minor in Management: Students enrolled in Master's and doctoral programs can complete the minor by taking courses that meet requirements within the MBA degree. Master's students must take 9 hours; doctoral students must take 15 hours.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Chemical and Biomolecular Engineering

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Chemical Engineering	Y			Y		Y		

GRADUATE FACULTY

P. S. Fedkiw, *Department Head*

Director of Graduate Programs:

S. A. Khan, Box 7905, 919/515-4519, khan@ncsu.edu, Chemical and Biomolecular Engineering

Named Professors: M. D. Dickey, H. Jameel, R. M. Kelly, S. A. Khan, G. N. Parsons, O. D. Velez; **Named Distinguished Professors:** R. G. Carbonell, J. M. DeSimone, B. Pourdeyghi; **Named Distinguished University Professors:** K. E. Gubbins, C. K. Hall; **Distinguished Professors:** J. Genzer, R. J. Spontak; **Distinguished University Professors:** D. F. Ollis; **Professors:** C. M. Balik, P. S. Fedkiw, M. C. Flickinger, R. E. Gorga, C. S. Grant, J. M. Haugh, H. H. Lamb, P. K. Lim, P. R. Westmoreland; **Adjunct Professors:** C. R. Daubert, M. Schoen, M. Sliwinska-Bartowiak; **Emeritus Named Professors:** R. M. Felder, H. B. Hopfenberg; **Associate Professors:** C. Beisel, J. S. Jur, F. Li, S. W. Peretti, B. M. Rao; **Research Associate Professors:** K. Efimenko; **Adjunct Associate Professors:** J. Srogl; **Assistant Professors:** M. Abolhasani, N. C. Crook, L. C. Hsiao, A. J. Keung, S. Menegatti, G. T. Reeves, A. San Miguel Delgadillo, E. E. Santiso, Q. Wei; **Adjunct Assistant Professors:** P. V. Gurgel; **Extension Associate Professors:** H. Winston; **Teaching Associate Professors:** G. L. Gilleskie; **Teaching Assistant Professors:** J. H. van Zanten

Research activities in the department include: computational nanoscience and biology; biomolecular engineering and biotechnology; catalysis, combustion, kinetics and electrochemical engineering; biofuels and renewable energy technology; green chemistry and engineering; innovative textiles, polymers and colloids; nanoscience and nanoengineering; and thermodynamics and molecular simulation.

Admissions Requirements: Students admitted to the graduate program normally have a Bachelor's degree in chemical engineering or its equivalent. Students with undergraduate degrees in chemistry, physics or other engineering disciplines may be admitted but will be required to make up undergraduate course work deficiencies in chemical engineering without graduate credit. The most promising candidates will be accepted up to the number of spaces available.

Master of Science Degree Requirements: The M.S. degree requires a minimum of 30 credit hours. A set of four core courses is required. Two options are provided. In the thesis option, the thesis must be defended in a final public oral examination. In the non-thesis option, the student must satisfactorily complete a total of 10 graduate courses. A unique feature of the non-thesis option is the availability of a Distance Education Masters in which the students can complete all 30 credit hours remotely through online courses offered via streaming videos without being on campus.

Master of Chemical Engineering Degree Requirements: The M.Ch.E. degree requires a minimum of 30 credit hours. A set of four core courses is required. A three-credit project is also required.

Doctor of Philosophy Degree Requirements: Students normally take a set of five core courses, two advanced courses and at least 6 credits of dissertation research. A thesis is required; this must be defended in a final public oral examination. In addition, the candidate must: (1) submit and defend an original written proposition in any area of chemical engineering, and (2) submit and defend a proposal to perform his/her thesis research.

Click on [Graduate Courses](#) for current course information.

Chemistry

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Chemistry	Y							

GRADUATE FACULTY

E. F. Bowden, *Department Head*

Director of Graduate Programs:

D. A. Shultz, Box 8204, 919/515-6972, shultz@ncsu.edu, Chemistry

Named Distinguished Professors: D. W. Brenner; **Named Distinguished University Professors:** J. S. Lindsey, B. M. Novak; **Professors:** E. F. Bowden, C. L. Bumgardner, F. N. Castellano, S. Franzen, C. B. Gorman, J. D. Martin, C. C. Melander, D. C. Muddiman, M. T. Oliver-Hoyo, D. A. Shultz, A. I. Smirnov, M. H. Whangbo; **Adjunct Professors:** A. Deiters, M. Khaledi; **Emeritus Professors:** A. J. Banks, R. D. Bereman, H. H. Carmichael, D. L. Comins, L. D. Freedman, F. W. Getzen, K. W. Hanck, F. C. Hentz, M. Khaledi, R. H. Loeppert, C. G. Moreland, S. T. Purrington, A. F. Schreiner, W. P. Tucker, J. L. Whitten; **Associate Professors:** C. B. Boss, R. A. Ghiladi, T. B. Gunnoe, E. A. Ison, E. Jakubikova, P. A. Maggard, A. A. Nevzorov, T. I. Smirnova, L. A. Sombers, W. L. Switzer, D. W. Wertz, G. J. Williams; **Research Associate Professors:** G. S. McCarty; **Assistant Professors:** W. Chang, D. Fourches, V. Lindsay, J. G. Pierce, C. Proulx, G. Wang, W. W. Weare

The Department of Chemistry offers programs of study leading to the Doctor of Philosophy and Master of Science degrees. These degrees are based on coursework and original research. Many research projects merge disciplines such as chemical/synthetic biology, biophysics/physics, computational science, informatics, photonics/photophysics and materials science with chemistry. General courses as well as advanced and special topics courses are offered.

Admission Requirements: Applicants should have an undergraduate degree in chemistry or in a closely related field with a strong chemistry background. A GPA of at least 3.0 in the sciences is needed for consideration. GRE General Test scores are not required. Admission decisions are made as completed applications are received. For most favorable consideration for the Fall term, all application materials should be received by January 15 (both domestic and international students).

Master's Degree Requirements: The Master of Science (M.S.) degree in chemistry is a research degree that requires six graduate courses, a minimum of 30 credit hours, and research leading to a thesis.

Doctoral Degree Requirements: In the doctoral program, emphasis is placed on original research and a comprehensive knowledge of one's chosen field.

Student Financial Support: Incoming graduate students are supported by departmental teaching assistantships. Outstanding applicants are eligible for supplemental fellowships during their first year of study. Research assistantships are normally available to second-, third-, and fourth-year students. The department also has fellowships for students interested in the area of electronic materials, biotechnology and pharmaceutical and synthetic organic chemistry, as well as travel funds to attend and deliver an oral presentation professional meeting(s).

Other Relevant Information: The Chemistry Department forms part of the College of Sciences. More than one dozen new faculty members have been added in the last ten years, thereby greatly enhancing opportunities for graduate research especially in cutting edge interdisciplinary programs.

Click on [Graduate Courses](#) for current course information.

Civil, Construction, and Environmental Engineering

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Civil Engineering	Y			Y		Y		
Environmental Engineering				Y		Y		

GRADUATE FACULTY

M. A. Barlaz, *Department Head*

Director of Graduate Programs:

S. Ranjithan, Box 7908, 919/515-6979, ranji@ncsu.edu, Civil, Construction, and Environmental Engineering

Distinguished Professors: E. J. Jaselskis; **Distinguished University Professors:** M. A. Barlaz, H. C. Frey, Y. R. Kim; **Named Distinguished Professor:** M. Liu; **Professors:** S. Arumugam, J. W. Baugh, E. D. Brill, F. De Los Reyes, J. Ducoste, M. A. Gabr, M. N. Guddati, A. Gupta, T. Hassan, M. I. Hoit, D. R. Knappe, M. J. Kowalsky, G. F. List, G. Mahinthakumar, J. M. Nau, M. F. Overton, M. S. Rahman, S. Ranjithan, W. J. Rasdorf, N. M. Roupail, R. Seracino, A. A. Tayebali, J. V. Veliadis, B. M. Williams; **Research Professors:** B. L. Edge; **Adjunct Professors:** M. G. Calvi, B. Kasal; **Emeritus Professors:** M. Amein, R. C. Borden, R. H. Borden, J. F. Ely, J. S. Fisher, A. K. Gupta, K. S. Havner, C. L. Heimbach, Y. Horie, N. P. Khosla, M. L. Leming, V. C. Matzen, S. W. Nunnally, S. Rizkalla, J. R. Stone, C. C. Tung, H. E. Wahls; **Emeritus Distinguished Professors:** D. W. Johnston; **Emeritus Distinguished University Professors:** J. M. Hanson, P. Z. Zia; **Associate Professors:** E. Z. Berglund, J. F. DeCarolus, J. Johnson, M. Pour-Ghaz, B. S. Underwood; **Adjunct Associate Professors:** C. P. Bobko, T. M. Evans, L. R. Goode, B. J. Schroeder; **Emeritus Associate Professors:** W. L. Bingham, A. C. Chao, J. C. Smith; **Assistant Professors:** A. Albert, T. Aziz, E. Bardaka, A. M. Cabas Mijares, D. F. Call, C. A. Castorena, J. C. Dietrich, F. Garcia Menendez, A. P. Grieshop, K. Han, J. P. Kearns, B. M. Montoya, D. R. Obenour, A. C. Ortiz, J. F. Patrick; **Research Assistant Professors:** J. W. Levis, G. W. Lucier, E. J. Sciaudone; **Adjunct Assistant Professors:** A. R. de Queiroz, D. J. Findley; **Teaching Assistant Professors:** K. Salamati

Graduate programs are offered in coastal and water resources engineering, computing and systems, construction engineering and management, environmental engineering, geotechnical and geoenvironmental engineering, mechanics and materials, structural engineering and mechanics, transportation engineering and materials.

Admission Requirements: Normal minimum GPA requirements include 3.0 overall and in the major. Students who do not meet these academic requirements may take graduate courses through the [Non Degree Studies](#) program to demonstrate academic ability, but consultation with the Director of Graduate Programs is strongly advised. Applicants without academic experience in civil engineering, construction engineering, or environmental engineering may be required to take undergraduate courses to remove deficiencies, but graduate credit is not given for these courses. The Graduate Record Examination is required for all international applicants and all applicants to the MSCE or MENE degree programs.

Master's Degree Requirements: Four Master's degrees, requiring a minimum of 30 or 31 credit hours, are available. At least two-thirds of a Master's program should be in a well-defined major area of concentration. The MCE is a non-thesis (Option B) degree with other requirements, such as independent projects or core courses, specified in some areas of specialization. A formal minor is not permitted. The MCE is available both on-campus and through distance education. The MSCE degree requires a thesis and a formal minor is optional. Requirements for the MENE and MENE are the similar to those for the CE degrees.

Doctoral Degree Requirements: The Ph.D. typically requires one year of full-time course work beyond the master's

degree and research culminating in a dissertation. The program must develop a well-defined major area of concentration and may include supporting courses outside the major or a formal minor in a related field. All specialty areas, including Environmental Engineering, are included in the one Ph.D. program.

Student Financial Support: Departmental teaching and research assistantships are available including coverage of tuition and health insurance. Fellowships -- full or supplemental to an assistantship -- are available for exceptional applicants. All financial aid recipients are selected on merit-based competition with other applicants. Applications requesting financial aid (both U.S. and international) should be submitted early: February 1 for Fall admission and by July 15 for Spring admission.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

College of Education Dean's Office

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Teaching					Y			

GRADUATE FACULTY

Directors of Graduate Programs:

J. K. Lee, Box 7801, 919/513-0126, jkleee@ncsu.edu, Teacher Education and Learning Sciences

J. T. DeCuir-Gunby, Box 7801, 919/513-7669, jessica_decuir@ncsu.edu, Teacher Education and Learning Sciences

K. F. Hollebrands, Box 7801, kfholleb@ncsu.edu, Science, Technology, Engineering, and Mathematics Education

M. J. Jeffries, Box 7271, mjjeffri@ncsu.edu, Teacher Education and Learning Sciences

M. R. Blanchard, Box 7801, meg_blanchard@ncsu.edu, Science, Technology, Engineering, and Mathematics Education

Professors: C. L. Crossland, D. A. Cullinan, G. M. Kleiman, H. S. Lee, J. K. Lee, E. J. Sabornie; **Emeritus Professors:**

C. A. Pope, R. J. Pritchard; **Associate Professors:** M. R. Blanchard, J. H. Hunt, S. Park, M. M. Thomson, T. A.

Walkowiak; **Emeritus Associate Professors:** V. W. DeLuca, S. S. Osborne; **Assistant Professors:** K. Busch, C.

Delgado, C. D. Denson, D. L. Gray, C. C. Lee, J. N. Pearson; **Adjunct Assistant Professors:** S. B. Freeman; **Teaching**

Assistant Professors: D. E. Bengé, C. P. Edgington, M. J. Jeffries, J. G. Koch, P. M. Shumaker Jeffrey

The Master of Arts in Teaching (MAT) program is an accelerated teacher licensure program that leads students to both an initial teaching license and a master's degree in as little as a year and a half of full-time study. The program is distinct in its focus on practice and by conducting some face-to-face classes in a public school facility. The content areas being served by the MAT program are Secondary Math, Science, Social Studies, and English; Middle Grades (Language Arts or Social Studies); English as a Second Language; K-12 Reading; Special Education; and Elementary Education.

For more please see <https://ced.ncsu.edu/academics/professional-education/master-of-arts-in-teaching/>

The NC Department of Public Instruction has conferred accreditation to the graduate programs in Teacher Education and Learning Sciences. The College of Education is approved any the Council for the Accreditation of Educator Preparation (CAEP).

Admission Requirements: Applicants must have (1) a four-year degree from a college or university that holds regional accreditation, such as SACS; (2) 3.00 GPA or higher in prior work, as required by the Graduate School; (4) an undergraduate degree in the content area/discipline or 24 semester hours/credits in content relevant to the area in which you wish to teach (if you have fewer than 24 hours in a relevant content field, or if your course work does not prepare you adequately to teach the North Carolina curriculum, you may be assigned additional course work to overcome the deficiency).

Applications require original transcripts, 3 letters of recommendation (one of which should speak to teaching potential), a personal essay stating applicant's background and goals, GRE scores (and TOEFL if you have international citizenship), and a completed online application.

Master's Degree Requirements: A total of 30-33 credit hours must be earned for completion of the degree, depending on the particular licensure area. These hours include student teaching for non-lateral entry students.

Student Financial Support: Financial aid is available. Interested students should complete a [Financial Aid Federal Student Aid \(FAFSA\)](#) form.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

College of Humanities & Social Sciences

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Communication Rhetoric and Digital Media	Y							

GRADUATE FACULTY

Director of Graduate Programs:

H. J. Burgess, Box 8105, hjborges@ncsu.edu, English

Distinguished University Professors: C. M. Anson; ***Professors:*** D. M. Berube, M. P. Carter, D. P. Dannels, V. J. Gallagher, J. Goodwin, M. G. Gordon, J. K. Jameson, M. A. Johnson, H. D. Kellner, W. J. Kinsella, A. M. Penrose, R. L. Schrag, J. Swarts, J. N. Wall, K. S. Zagacki; ***Emeritus Professors:*** W. J. Jordan, C. R. Miller; ***Associate Professors:*** A. R. Binder, H. J. Burgess, E. A. Craig, A. A. de Souza e Silva, H. Ding, C. J. Fedukovich, P. C. Fyfe, O. Gelley, S. M. Katz, J. Kiwanuka-Tondo, K. A. Kosenko, D. A. Orgeron, D. M. Rieder, S. R. Stein, T. L. Stinson, R. A. Walsh, S. B. Wiley; ***Emeritus Associate Professors:*** D. H. Covington, R. S. Dicks; ***Assistant Professors:*** G. Bollmer, F. D. Cason, C. Ingraham, A. R. Johnston, N. M. Lee, S. L. Pigg, N. T. Taylor, E. M. Winderman

The Ph.D. Program in Communication, Rhetoric, and Digital Media prepares doctoral students to analyze the social, cultural, rhetorical, philosophical, and political dimensions of information technologies, new communication media, and digital texts and to actively engage digital media through research, criticism, production, and practice.

Students work with program faculty from the departments of Communication and English and with affiliated faculty from departments across the university to study oral, written, visual, computational, and multimodal forms of communication and rhetoric and digital media; to examine the transformation of communication in the context of converging digital media and communication networks; and to address the theoretical challenges of innovative, interdisciplinary research.

Students can create programs of study in areas such as Social Networks and Social Media, Interpersonal Communication, Environmental Communication, Emerging Digital Genres, Multimedia Research in Digital Media, Digital Humanities, Digital Rhetoric, Visual Rhetoric, Digital Media Production, STS and Risk Communication; Organizational Communication, Mobile Communication, Technology and Pedagogy, Game Studies, Online Information Design, Public Relations, Digital Literacies and Composition, Transcultural Communication, Visual Communication, and Cultural Studies.

Faculty guide students in this work by using a broad range of social scientific and humanistic methods in which they specialize. The program offers comprehensive mentoring for professional development, diverse opportunities for teaching experience, and research assistantships associated with grant-funded faculty projects. CRDM faculty and students collaborate with colleagues in science and technology fields across the university and the Research Triangle.

Our graduates have been very successful finding employment in a variety of positions in academia (both at research-intensive universities and at teaching-oriented liberal arts colleges), government and corporate organizations, where there is a growing demand for the interdisciplinary skill sets developed in CRDM.

See our [website](#) for more details.

Admission Requirements: Master's degree in Communication, English, Rhetoric, or other relevant field with GPA of 3.0 or better. Master's level work should include one quantitative or qualitative methods course, as well as three courses in an approved [disciplinary area](#). These hours do not count toward the doctoral degree. Disciplinary areas include: composition studies, including writing across the curriculum, interpersonal/group communication, media

studies, organizational communication or public relations, rhetorical studies, and technical communication.

Applicants who are otherwise well qualified may make up these courses after admission. GRE scores no older than five years, three reference letters, a statement of goals and interests, a resume of work experience, and a writing sample are also required for application to the program. The application deadline is December 01.

Ph.D. Degree Requirements: A minimum of 56 hours beyond the Master's degree are required to complete the Ph.D. program: 15 credit hours of core courses, 3 hours of research methods, 6 hours of professional preparation, 12 hours in an elective focus area, and 20 hours of research and dissertation.

Student Financial Support: The CRDM program offers a limited number of Teaching Assistantships, with a stipend, health insurance, and tuition (excluding fees). Teaching Assistants will be assigned according to their interests and qualifications, as well as departmental need, to either the Communication or the English Department with the possibility of teaching in both departments during their course of study. Those who do not have sufficient qualifications to teach in the first semester will participate in a training program. Some Research Assistantships may also be available.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Communication

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Communication				Y				

GRADUATE FACULTY

K. S. Zagacki, *Department Head*

Directors of Graduate Programs:

A. R. Binder, Box 8104, 919/515-9750, arbinder@ncsu.edu, Communication

J. Kiwanuka-Tondo, Box 8104, jkiwanu@ncsu.edu, Communication

Professors: D. M. Berube, D. P. Dannels, V. J. Gallagher, J. Goodwin, J. K. Jameson, M. A. Johnson, J. Keyton, W. J. Kinsella, R. L. Schrag, K. S. Zagacki; ***Emeritus Professors:*** E. T. Funkhouser, W. J. Jordan, C. A. Smith; ***Associate Professors:*** A. R. Binder, E. A. Craig, A. A. de Souza e Silva, D. A. DeJoy, J. Kiwanuka-Tondo, K. A. Kosenko, S. R. Stein, S. B. Wiley; ***Emeritus Associate Professors:*** D. A. DeJoy, E. T. Funkhouser, R. Leonard, B. L. Russell; ***Assistant Professors:*** G. Bollmer, A. Cheng, R. J. Hurley, C. Ingraham, N. M. Lee, L. K. Romo, N. T. Taylor, E. M. Winderman; ***Teaching Assistant Professors:*** E. A. Nelson

The Master of Science program in communication is designed to provide graduate-level expertise for solving problems in modern organizations and social systems from a communication perspective. The curriculum addresses issues concerned with interpersonal, relational and technologically mediated communication systems essential to modern, networked organizations and societies. Its graduates will acquire advanced-level expertise in communication theory, research, and applications that will improve processes and enhance outcomes within and across diverse social systems. The degree prepares students for higher-level positions in communication professions and for advanced degree programs (e.g., Ph.D. programs).

Admission Requirements: Applicants should have a minimum 3.0 GPA in the undergraduate major and a minimum of 3.0 over the last 60 hours of undergraduate work.

Master's Degree Requirements: The degree requires 36 credit hours with a minimum of 27 credit hours taken in communication. Students will be required to complete 9 hours of core requirements, and 27 hours of electives, 9 of which can be taken outside of the department with the approval of the graduate advisor. Students can also take up to 6 internship or independent study credit hours. Students on the thesis track can take up to 6 thesis credit hours.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Comparative Biomedical Sciences

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Comparative Biomedical Sciences	Y			Y				

GRADUATE FACULTY

Directors of Graduate Programs:

K. M. Meurs, Box 8401, 919/513-6213, kmmeurs@ncsu.edu, College of Veterinary Medicine

S. L. Jones, Box 8401, 919/513-7722, sam_jones@ncsu.edu, College of Veterinary Medicine

Named Professors: L. Jaykus, H. B. Patisaul, A. A. Tsiatis; **Named Distinguished Professors:** R. R. Anholt;

Professors: K. B. Adler, G. W. Almond, K. L. Anderson, P. Arasu, H. J. Barnes, R. E. Baynes, A. J. Birkenheuer, A. T. Blikslager, J. C. Bonner, R. J. Borski, M. Breen, E. B. Breitschwerdt, T. T. Brown, D. K. Carver, M. T. Correa, P. J. Cray, J. M. Cullen, M. G. Davidson, G. A. Dean, T. C. DeFrancesco, D. C. Dorman, O. J. Fletcher, F. J. Fuller, J. E. Gadsby, B. C. Gilger, J. R. Godwin, J. L. Gookin, C. B. Grindem, J. S. Guy, B. Hammerberg, E. M. Hardie, C. A. Harms, E. C. Hawkins, C. L. Hemenway, J. M. Hinshaw, J. M. Horowitz, S. L. Jones, B. W. Keene, S. W. Kullman, D. X. Lascelles, S. M. Laster, J. M. Law, J. F. Levine, G. A. Lewbart, D. P. Lunn, K. G. Mathews, M. C. McGahan, K. M. Meurs, P. E. Mozdziak, K. R. Munana, S. C. Nelson, N. J. Olby, T. J. Olivry, M. G. Papich, J. A. Piedrahita, L. P. Posner, E. F. Rissman, S. C. Roe, P. L. Sannes, D. Shea, B. Sherry, W. J. Showers, J. E. Smallwood, R. C. Smart, G. W. Smith, M. K. Stoskopf, S. L. Vaden, D. P. Wages, D. W. Watson; **Research Professors:** A. R. Brody, S. Kennedy-Stoskopf; **Clinical Professors:** K. E. Linder, R. A. Mansmann, S. L. Marks, W. R. Redding, B. L. Sherman; **Adjunct Professors:** T. K. Archer, R. S. Balaban, A. E. Bogan, G. R. Burleson, N. J. Caplen, M. W. Dewhirst, K. L. Dreher, L. J. Helman, C. S. Lau, M. N. Martinez Pelsor, D. B. McGavern, R. B. Meeker, J. H. Shelhamer, R. M. Simpson, J. K. Taubenberger, D. W. Threadgill, L. E. Williams; **Emeritus Professors:** L. A. Degernes, H. A. Devine, L. N. Fleisher, R. B. Ford, M. L. Hauck, L. C. Hudson, M. G. Levy, D. H. Ley, D. J. Meuten, N. A. Monteiro-Riviere, W. M. Morrow, P. E. Orndorff, J. F. Roberts, M. C. Roberts, L. P. Tate, D. E. Thrall, M. B. Tompkins, W. Tompkins; **Emeritus Named Distinguished Professors:** J. E. Riviere; **Emeritus Distinguished Professors:** C. E. Atkins; **Associate Professors:** C. A. Adin, C. S. Bailey, L. B. Borst, B. A. Breuhaus, K. Cheng, P. Cowen, W. A. Gebreyes, T. Ghashghaei, I. M. Gimeno, B. Hansen, P. R. Hess, M. E. Jacob, M. D. Koci, C. Lanzas, K. F. Lunn, S. K. Lyle, C. L. Mariani, C. J. Mattingly, N. M. Nascone-Yoder, J. A. Neel, X. Peng, M. Rodriguez-Puebla, R. M. Schoenfeld, F. Scholle, M. L. Sikes, B. D. Slenning, L. A. Sombers, S. E. Suter, S. Thakur, S. Tonkonogy, J. A. Yoder; **Research Associate Professors:** R. G. Maggi; **Adjunct Associate Professors:** M. L. Alley, B. R. BERRIDGE, R. S. DeWoskin, D. Dixon, J. A. Dye, S. E. Fenton, A. J. Moeser, E. B. Neufeld, R. C. Sills; **Emeritus Associate Professors:** R. E. Fish, S. Y. Gardner, C. R. Swanson, M. D. Whitacre; **Assistant Professors:** B. S. Akpa, P. Bizikova, B. J. Callahan, E. Crisci, G. P. Cruse, C. M. Dekaney, J. R. Elfenbein, J. E. Fogle, D. M. Foster, L. M. Gonzalez, H. R. Hunt, T. E. Kaeser, A. A. Kedrowicz, A. J. Keung, C. Laplante, J. A. Luff, A. M. Lynch, G. Machado, K. Marsden, K. A. Meiklejohn, J. E. Meitzen, K. M. Messenger, S. K. Mishra, F. M. Mowat, C. C. Nestor, M. W. Nolan, O. A. Petritz, A. J. Planchart, A. San Miguel Delgadillo, L. V. Schnabel, M. K. Sheats, C. M. Theriot, L. C. Van Landeghem, L. A. Villamizar Martinez, H. D. Westermeyer, H. Yoshikawa; **Research Assistant Professors:** S. K. Nordone, B. A. Quorllo, R. Thomas; **Emeritus Research Professors:** M. J. Dykstra; **Clinical Associate Professors:** R. B. Baker, C. A. Fogle; **Clinical Assistant Professors:** D. B. Adin, N. S. Browne, M. L. Mastromauro, S. E. Musulin, H. Ru, A. M. Snyder, C. A. Stiles, D. A. Stowe, K. M. Tefft, A. Vigani; **Visiting Assistant Professors:** R. Linnehan; **Adjunct Assistant Professors:** A. E. Bogan, M. L. Bradley, W. C. Eward, S. E. Fenton, J. M. Giraudel, M. E. Gruen, R. M. Hanel, Y. Kim, M. R. Loomis, D. E. Malarkey, M. W. Wood; **Teaching Associate Professors:** M. P. Gerard; **Teaching Assistant Professors:** E. B. Bohorquez, S. E. Robertson

Course offerings and research topics currently include, but are not limited to: cell biology, genomics, infectious diseases, developmental biology, immunology, cardiology, pharmacokinetics, oncology, toxicology, gastroenterology, neuroscience, reproductive physiology, biotechnology, microbiology, aquatic/ wildlife biology, biomedical engineering, endocrinology, molecular biology, pulmonary biology, epidemiology, population medicine, health systems monitoring,

transplantation and radiology.

Admission Requirements: All applications are reviewed by the Graduate Studies Committee of the CBS Program, composed of faculty members representing each area of the graduate program and a graduate student representative. Scores from the GRE are required for admission by all applicants except for applicants with a DVM degree. Candidates who do not have a DVM degree must have a baccalaureate degree or advanced degree from a college or university recognized as standard by a regional or general accrediting agency. Students with a 3.0 (on a 4.0 scale) undergraduate or DVM curriculum with appropriate course background will be considered for admission.

Doctoral Degree Requirements: Credit hour requirements for the Ph.D. degree are determined by the graduate student's committee with approval of the Director of Graduate Programs and the Graduate School.

Student Financial Support: Research assistantships are awarded to qualified candidates on the competitive basis by the College. These are for 12-month periods, and stipends are competitive with those of other programs. These positions are funded by the grants of individual faculty members and the state appropriations to the College and departments.

Other Relevant Information: The program is organized as seven areas of concentration which include: cell biology, immunology, population medicine, infectious diseases, pathology, pharmacology, and neuroscience. These provide extensive interdisciplinary training and maintain a highly effective liaison with graduate programs in other colleges of the university, as well as those of nearby Duke University and the University of North Carolina at Chapel Hill.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Computer Networking

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Computer Networking				Y				

GRADUATE FACULTY

Directors of Graduate Programs:

G. Rouskas, Box 8206, 919/515-3860, rouskas@ncsu.edu, Computer Science

P. D. Franzon, Box 7911, 919/515-7351, paulf@ncsu.edu, Electrical and Computer Engineering

Named Professors: D. D. Stancil; **Distinguished Professors:** V. Misra, M. A. Vouk; **Professors:** G. T. Byrd, M. Chow, R. Dutta, D. Y. Eun, L. Lunardi, R. F. Mueller, A. Nilsson, O. Oralkan, H. G. Perros, D. S. Reeves, G. Rouskas, M. L. Sichitiu, M. P. Singh, W. J. Stewart, D. J. Thuente, H. J. Trussell, J. V. Veliadis, I. Viniotis, W. Wang; **Research Professors:** D. L. Lubkeman; **Adjunct Professors:** S. C. Ahalt, M. Devetsikiotis, P. Ning, I. Rhee; **Associate Professors:** M. Becchi, L. Cao, W. H. Enck, I. Guvenc, K. H. Harfoush, N. Lu, X. Shen, D. Vashae; **Research Associate Professors:** W. Yu; **Adjunct Associate Professors:** T. Yu; **Assistant Professors:** J. J. Adams, M. Daniele, S. Lin, C. J. Parnin, S. Pavlidis, B. Reaves, M. Shahzad, W. Tang, C. Wong, T. Wu; **Research Assistant Professors:** J. Kim; **Adjunct Assistant Professors:** K. E. Boyer, B. Callaway, G. W. Howell, R. Mikail; **Teaching Associate Professors:** S. S. Heckman, D. B. Sturgill; **Teaching Assistant Professors:** M. Abbasi

The Master of Science in computer networking may be earned through the M.S. with thesis option or through the non-thesis option. Either option may be used as preparation for further graduate study or employment in industrial research, development or design environment, although students planning to continue on for a Ph.D. should discuss the option selected with their advisors.

The Master of Science in Computer Networking is also available as an online degree program. This degree has a non-thesis option, does not require on campus attendance, and may be used in preparation for further graduate student or employment in an industrial research, development or design environment. The program is available to USA residents and to United States military personnel serving overseas and it is offered online through [Engineering OnLine](#).

Admission Requirements: Admissions criteria will adhere to those currently listed on the program website <http://networking.ncsu.edu>.

Master's Degree Requirements: Computer networking core courses constitute 9 of the 30 minimum credit hours. Students take 12 additional credit hours of computer networking courses from one of four currently defined technical concentration areas: network design, network hardware, network software, or networking services. The remaining 9 credit hours may be taken from an approved management concentration sequence, as additional courses in the computer networking technical concentration areas, or as 6 hours of thesis and 3 credit hours from the list of approved computer networking courses. At least 6 of the 30 credits must come from the 700 level, and non-letter graded courses such as individual studies courses may account for a maximum of 3 credit hours.

CORE COURSES

CSC(ECE) 570 Computer Networks

CSC(ECE) 579 Introduction to Computer Performance Modeling

Select one of the following business courses:

MBA 554 Project Management (Summer, Fall, Spring)

MBA 590 Special Topics: Management Foundations (Fall)

MBA 590 Special Topics: Service Management (Spring)

TECHNICAL CONCENTRATION

CSC 501 Operating System Principles
CSC(ECE) 506 Architecture of Parallel Computers
CSC 510 Software Engineering
CSC 513 E-Commerce technology
CSC(MBA) 516 E-commerce Practicum
CSC 557 Multimedia Technology
CSC(ECE) 573 Internet Protocols
CSC(ECE) 574 Information Systems Security
CSC(ECE) 575 Introduction to Wireless Networking
CSC(ECE) 576 High Speed Networks
CSC 714 Real-Time Computer Systems
CSC 715 Concurrent Software System
CSC 716 Design of Secure and Reliable Systems
CSC 724 Advanced Distributive Systems
CSC 750 Service-Oriented Computing
CSC(ECE) 772 Survivable Networks
CSC(ECE) 773 Advanced Topics in Internet Protocols
CSC(ECE) 774 Network Security
CSC(ECE) 776 Performance Evaluation of Computer Networks
CSC(ECE) 775 Advanced Topics in Wireless Networks
CSC(ECE) 777 Telecommunications Network Design
CSC(ECE) 779 Advanced Computer Performance Modeling
CSC(ECE) 778 Optical Networks
ECE 514 Random Processes
ECE 520 Digital ASIC Design
ECE 521 Computer Design and Technology
ECE 523 Photonics and Optical Communications
ECE 546 VLSI System Design
ECE 733 Digital Electronics
ECE 761 Design Automation for VLSI

MANAGEMENT CONCENTRATION

MBA 503 Survey of Accounting
MBA 514 Technology, Competition and the Law
MBA 520 Managerial Finance
MBA 541 Supply Chain Relationships
MBA 542 Supply Chain Logistics
MBA 543 Planning and Control Systems
MBA 554 Project Management
MBA 576 Technology Evaluation and Commercialization Concepts
MBA 577 High Technology Entrepreneurship
MBA 590 Special Topics: Decision Support Systems
MBA 590 Special Topics: Business Process Analysis and Design
MBA 590 Special Topics: Business Relationship Management
MBA 590 Special Topics: Consulting
MBA 590 Special Topics: Service Management

[NCSU Graduate Catalog](#)

Computer Science

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Computer Science	Y			Y		Y		

GRADUATE FACULTY

Director of Graduate Programs:

G. Rouskas, Box 8206, 919/515-3860, rouskas@ncsu.edu, Computer Science

Named Distinguished Professors: J. Doyle; **Named Distinguished University Professors:** M. Rappa; **Distinguished Professors:** J. C. Lester II, T. K. Miller, M. A. Vouk; **Distinguished University Professors:** D. L. Bitzer; **Professors:** T. M. Barnes, G. T. Byrd, R. Dutta, C. G. Healey, E. L. Kaltofen, H. Krim, G. Mahinthakumar, T. J. Menzies, R. F. Mueller, H. G. Perros, D. S. Reeves, E. Rotenberg, G. Rouskas, N. F. Samatova, C. D. Savage, M. L. Sichitiu, M. P. Singh, Y. Solihin, R. A. St. Amant, M. F. Stallmann, W. J. Stewart, D. J. Thuent, I. Viniotis, W. Wang, L. A. Williams; **Research Professors:** P. A. Dreher; **Visiting Research Professors:** F. Brglez; **Adjunct Professors:** S. C. Ahalt, A. I. Anton, M. Devetsikiotis, S. P. Iyer, G. Lazzi, P. Ning, I. Rhee, X. Wang, J. T. Whitted, R. M. Young; **Emeritus Professors:** W. Chou, E. W. Davis Jr, R. J. Fornaro, J. C. Glass, D. F. McAllister, C. Meyer, W. E. Snyder, A. L. Tharp; **Associate Professors:** D. R. Bahler, R. Y. Chirkova, A. G. Dean, W. H. Enck, V. W. Freeh, E. F. Gehringer, X. Gu, K. H. Harfoush, S. Heber, A. H. Jhala, E. R. Murphy-Hill, K. Ogan, D. L. Roberts, X. Shen, V. B. Sullivan, R. R. Vatsavai, B. A. Watson; **Adjunct Associate Professors:** X. Jiang, X. Ma, A. J. Rindos, J. N. Staddon, T. Xie, T. Yu; **Emeritus Associate Professors:** T. L. Honeycutt, J. S. Scroggs; **Assistant Professors:** M. Chi, G. Jin, A. Kapravelos, C. F. Lynch, C. Martens, C. J. Parnin, B. Reaves, A. Scafuro, M. Shahzad, K. T. Stolee, H. Tseng; **Adjunct Assistant Professors:** K. E. Boyer, G. W. Howell, M. D. Kowolenko, B. W. Mott, A. T. Rivers, J. P. Rowe, J. B. Slankas, D. R. Wright, Y. Xin; **Teaching Associate Professors:** S. S. Heckman, D. B. Sturgill; **Teaching Assistant Professors:** S. M. Balik, T. Battestilli, J. T. King, K. Oduor, J. Y. Schmidt; **Lecturers:** A. J. Rindos

The Department of Computer Science is one of the leading computer science departments in the United States. Twenty three of our faculty have received prestigious NSF CAREER development awards. Total research expenditures have quadrupled over the last several years. The graduate program has more than 700 students, of whom more than 200 are PhD students. The faculty has broad-ranging research strengths that include **Theory** (Algorithms, Theory of Computation); **Systems** (Computer Architectures and Operating Systems, Embedded and Real-Time Systems, Parallel and Distributed Systems, Scientific and High Performance Computing); **Artificial Intelligence** (Intelligent Agents, Data-Mining, Information and Knowledge Discovery, Engineering and Management; eCommerce Technologies; Information Visualization, Graphics and Human-Computer Interaction); **Networks** (Networking, Performance Evaluation, Sensor Networks, Protocols); **Security** (Software and Network Systems Security, Information Assurance, Privacy); **Software Engineering** (Requirements, Formal Methods, Reliability Engineering, Process and Methods, Programming Languages); and **Computer-Based Education**. Areas of strength in applied research include bioinformatics, scientific computation, e-commerce and data mining.

Admission Requirements: Minimum application requirements include an accredited Bachelor's degree with at least a B average and computer science and mathematics course work similar to an undergraduate Computer Science major. Applicants must submit scores for the GRE General Tests.

Master's Degree Requirements: The M.S. requires 31 graduate credits including at least one course from each of the core areas of Theory (CSC 505, 512, 565, 579, 580, and 707) and Systems (CSC 501, 506, 510, 520, 540, 562, and 570), and the successful defense of a thesis. The advisory committee may waive the thesis requirement for students planning to pursue the Ph.D. who pass the Ph.D. written preliminary examination and complete specified additional course work in lieu of thesis research. The Master of Computer Science (M.C.S.) is a professional degree granted upon successful completion of 31 hours of course work, including three core courses with at least one from each of the two core areas.

The M.C.S. degree is offered as an on-campus program or as a Distance Education program.

Doctoral Degree Requirements: Ph.D. students normally complete 72 semester hours of post-baccalaureate course and research work. They must also complete at least two courses from each of the two core areas noted above with at least a 3.5 GPA, and two 700-level CSC courses, individualized in-depth written and oral preliminary examinations, and a public defense of their dissertation describing substantial, original, and independent scholarly work.

Student Financial Support: During the 2015-2016 academic year, at least 180 students were awarded teaching or research assistantships. The Department also offers numerous supplemental fellowships, and has approximately 10 students on full-time fellowships. In addition, students have many opportunities to work at leading industry and government research labs and high-tech employers, both locally and throughout the United States.

Other Relevant Information: Graduates at all levels are highly respected and aggressively recruited. They enjoy successful careers locally and throughout the country and the world. Many Master's degree graduates begin or continue careers in advanced networking or software development in the Research Triangle Park and on the West Coast, at companies such as IBM, Microsoft, Google, SAS, Intel, Netapp, Amazon, Facebook, and Cisco. Many recent Ph.D.s have positions of technical leadership in well-known large companies and prominent research laboratories, including Google, Microsoft Research, and IBM Research Labs, or have obtained tenure-track faculty positions at Research I universities.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Creative Writing

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Creative Writing								Y

GRADUATE FACULTY

Directors of Graduate Programs:

B. M. Boggs, Box 8105, bmboggs@ncsu.edu, English

J. S. Mulholland, Box 8105, jmulhol@ncsu.edu, English

Distinguished Professors: A. H. Harrison; ***Distinguished University Professors:*** C. M. Anson; ***Professors:*** W. W. Barnhardt, M. P. Carter, M. G. Gordon, J. M. Grimwood, H. D. Kellner, J. J. Kessel, D. L. Laux, L. S. May, A. M. Penrose, S. M. Setzer, L. R. Severin, A. F. Stein, J. Swarts, E. R. Thomas, J. F. Thompson, J. N. Wall; ***Professors of the Practice:*** J. C. McCorkle; ***Emeritus Professors:*** B. J. Baines, J. Balaban, G. W. Barrax, P. E. Blank, J. W. Clark, J. D. Durant, L. T. Holley, J. J. Kessel, A. S. Knowles, L. H. MacKethan, W. E. Meyers, C. A. Prioli, J. J. Small, L. Smith, J. J. Smoot, M. H. Thunte, R. V. Young; ***Associate Professors:*** A. Baker, B. A. Bennett, B. M. Boggs, A. Bolonyai, C. J. Fedukovich, S. M. Katz, R. C. Kochersberger, J. D. Morillo, D. A. Orgeron, D. M. Rieder; ***Emeritus Associate Professors:*** D. H. Covington, R. S. Dicks, M. F. King, R. C. Kochersberger, C. E. Moore, H. C. West; ***Assistant Professors:*** E. C. Corral; ***Assistant Professors of the Practice:*** J. H. Millar; ***Teaching Associate Professors:*** B. Blackley

The Department of English offers a two-year studio/academic program in fiction or poetry leading to the Master of Fine Arts degree. The program provides an opportunity for students of superior and demonstrated ability in imaginative writing to develop their skills and critical judgment through the practice of writing and the study of literature. The aim of the program is to prepare talented students for careers in writing. Degree candidates are expected to produce a book-length work of literary value and publishable quality.

Admission Requirements: Overall GPA of 3.0 or higher; applicants should submit GRE scores (general aptitude and analytical writing); one official transcript of all undergraduate and graduate work; three letters of recommendation; and two writing samples, one creative, one critical. Creative sample: for fiction, two short stories, or for a novel, three chapters (or one chapter and a short story) totaling 25-40 pages; for poetry, 12 complete poems. Critical sample: no more than 15 pages of writing demonstrating your ability to succeed in graduate-level literature classes, a required part of the MFA curriculum.

Requirements for the MFA in Creative Writing: Candidates for the MFA degree must complete a total of 36 credits. Eighteen of these are taken in the area of writing specialization. These include workshop courses (12 credits) and thesis (6 credits). The remaining credits are taken in literature (6 credits) and elective areas (12 credits, including 6 credit hours of teaching preparation for those on a composition teaching assistantship). In their final semester, students must pass a comprehensive written examination on writing craft, based on a book list selected jointly by the student and the faculty. The final thesis must be a book-length manuscript in the student's field of interest. In fiction, an approximate 200 pages are expected; in poetry, 60 pages. See [program website](#) for specific requirements by concentration.

Student Financial Support: All students admitted to the MFA program are eligible for [teaching assistantships](#). TAs in the MFA train to teach undergraduate composition courses, and a few selected creative writing classes.

Other Relevant Information: Application deadline is February 1. Students are admitted for the fall semester only.

The English department has a long tradition of academic and literary excellence, including its heritage of writers from Guy Owen to Lee Smith. The strength of NCSU in the sciences offers students the opportunity to do creative work that

engages with issues of technology and its effect on individuals and institutions that are not typically addressed in fine arts programs.

Through the NC State Literary Readings Series, the department sponsors readings and visits by distinguished poets, fiction and non-fiction writers.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Crop and Soil Sciences

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Crop Science	Y			Y		Y		
Soil Science	Y			Y		Y		

GRADUATE FACULTY

Directors of Graduate Programs:

D. C. Bowman, Box 7620, 919/515-2085, dan_bowman@ncsu.edu, Crop and Soil Sciences

T. J. Smyth, Box 7620, 919/515-2838, jot_smyth@ncsu.edu, Crop and Soil Sciences

Named Professors: J. M. Alonso, R. E. Dewey, L. R. Fisher, D. L. Hesterberg, T. W. Rufty; **Named Distinguished Professors:** J. T. Brake, M. J. Vepraskas; **Distinguished University Professors:** M. M. Goodman, W. F. Thompson; **Professors:** A. Amoozegar, D. C. Bowman, S. W. Broome, R. J. Cooper, D. A. Crouse, C. R. Crozier, E. J. Dunphy, K. L. Edmisten, G. E. Fernandez, C. H. Haigler, J. L. Havlin, R. W. Heiniger, J. L. Heitman, M. Hyman, F. Isik, T. G. Isleib, D. L. Jordan, R. S. Lewis, R. A. McLaughlin, G. G. McRae, G. L. Miller, M. Mullen, J. P. Murphy, D. L. Osmond, R. P. Patterson, C. H. Peacock, R. Qu, R. J. Richardson, R. C. Rufty, W. Shi, T. J. Smyth, H. T. Stalker, R. Wells, T. R. Wentworth, E. B. Wilson, F. H. Yelverton; **USDA Professors:** G. Brown-Guedira, K. O. Burkey, T. E. Carter, A. J. Franzluebbbers, J. B. Holland, D. P. Livingston, D. S. Marshall, R. M. Mian, R. W. Zobel; **Adjunct Professors:** K. D. Getsinger, R. Liebl, T. R. Sinclair, R. W. Zobel; **Emeritus Named Professors:** W. K. Collins, G. F. Peedin, W. D. Smith, J. C. Wynne, A. C. York; **Emeritus Professors:** D. T. Bowman, A. H. Bruneau, D. K. Cassel, H. D. Coble, W. A. Cope, F. T. Corbin, D. A. Emery, J. T. Green, J. D. Gregory, H. D. Gross, D. W. Israel, G. L. Jones, H. J. Kleiss, J. A. Lee, W. M. Lewis, H. M. Linker, R. C. Long, J. Luginbuhl, J. P. Mueller, W. P. Robarge, J. F. Spears, G. A. Sullivan, M. G. Waggoner, J. B. Weber, A. K. Weissinger, P. R. Weisz, A. D. Worsham; **Emeritus Named Distinguished Professors:** J. W. Gilliam, R. W. Skaggs, E. A. Wernsman; **Emeritus Distinguished Professors:** S. W. Buol; **Associate Professors:** J. D. Burton, O. W. Duckworth, W. J. Everman, A. K. Graves, V. Kuraparthi, C. Maltecca, S. R. Milla-Lewis, S. C. Reberg-Horton, M. S. Schroeder-Moreno, L. J. Unruh Snyder, J. G. White; **Research Associate Professors:** D. G. Seth Carley; **USDA Associate Professors:** M. D. Krakowsky; **Emeritus USDA Professors:** J. W. Burton, D. L. Thompson; **Adjunct Associate Professors:** M. D. Netherland, M. L. Polizzotto; **Emeritus Associate Professors:** D. A. Daneshmandi, R. D. Keys, J. P. Lilly, G. C. Naderman; **Assistant Professors:** M. S. Castillo, R. L. Cook, T. W. Gannon, T. G. Gardner, A. M. Johnson, R. G. Leon Gonzalez, A. R. Post, M. C. Vann; **USDA Assistant Professors:** A. M. Hulse-Kemp, A. M. Locke, E. Taliencio; **Adjunct Assistant Professors:** D. H. Hardy, R. O. Maguire, L. M. Miranda; **Extension Associate Professors:** G. D. Collins; **Teaching Associate Professors:** C. V. Jordan; **Lecturers:** J. T. Walker

The Department of Crop and Soil Sciences offers programs of study leading to the Master of Crop Science (M.C.S.), Master of Science (M.S.) and Doctorate of Philosophy (Ph.D.) degrees. The M.S. and Ph.D. programs are based upon original research while the M.C.S degree is a non-thesis degree program. Areas of study in the department include plant breeding, genetics and molecular biology; crop production, management, chemistry and physiology; sustainable agriculture and agro-ecology; turfgrass management and science; integrated pest management, weed science and crop modeling.

Excellent facilities for graduate education are available, including wet and dry labs for preparation and analysis of plant and soil samples, cold storage facilities, greenhouses, controlled environmental chambers, computing facilities and the Southeastern Plant Environment Laboratories (Phytotron) for highly controlled plant environmental research. Agriculturally, North Carolina has a wide array of environments and soils for field research. This includes the sandy coastal plains and black lands of eastern NC, the central Piedmont with its clay soils, and the mountains of NC with their unique environments and soils. University and State research stations are located strategically throughout each of

these regions and are widely used for field research.

Crop Science programs also benefit from strong cooperative ties with other departments and institutions. Graduate students in Crop Science work cooperatively with and/or obtain instruction in the Departments of Animal Science, Biochemistry, Chemistry, Computer Science, Entomology, Horticultural Science, Genetics, Mathematics, Microbiology, Plant Biology, Plant Pathology, Soil Science and Statistics. Cooperative efforts link our programs with faculty at a number of land grant and international universities as well as with leaders in agribusiness and environmental protection.

Admissions Requirements: Prospective students should be graduates of an accredited university with a major in agronomy, animal science, biology, crop science, genetics, horticulture, plant science or related field of study. Graduates from other degree programs will be considered but may be asked to make up certain undergraduate deficiencies. Acceptance of applicants is competitive and limited by program space and funding. Applicants should have a minimum of a 3.0 (out of 4.0) GPA and minimum GRE percentile scores of 40 on the verbal and quantitative portions of the exam. Exceptions to these guidelines may be made for students with special backgrounds, abilities or interests.

Master's Degree Requirements: Master of Science Degree: Requirements include a minimum of 30 semester hours of course work, including one hour of Seminar (CS 601) and six hours of Statistics (ST 511 and ST 512 or equivalent), completion of a thesis, a comprehensive oral examination and presentation of an exit seminar. Master of Crop Science Degree: M.C.S. requirements include a minimum of 36 semester hours of graduate work with a minimum of four, but no more than six, credit hours of Special Problems (CS 620). Additionally, three hours of Statistics (ST 511 or equivalent), a comprehensive oral examination and presentation of an exit seminar are also required.

Doctoral Degree Requirements: Ph.D. Candidates must demonstrate an ability to conduct original research and scholarly work at the highest level and produce an acceptable dissertation. Doctoral students must take a minimum of 72 graduate credit hours beyond the Bachelor's degree. They must also pass a preliminary examination (written and oral components) and a final oral examination. Presentation of an exit seminar is required.

Student Financial Support: Graduate assistantships will be awarded to qualified applicants depending on funding availability and program space. Tuition and health insurance are typically covered through the Graduate Student Support Plan for most students granted assistantships.

Other Relevant Information: A thesis (M.S. and Ph.D.) or special problem (Master of Crop Science) outline and Plan of Graduate Work should be submitted to the Director of Graduate Programs by the end of the first regular (spring or fall) semester.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Design

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Design	Y		Y					

GRADUATE FACULTY

Directors of Graduate Programs:

M. E. Deming, Box 7701, 919/515-3876, medeming@ncsu.edu, Design

S. Cho, Box 7701, scho3@ncsu.edu, Architecture

Professors: R. F. Abrams, T. M. Barrie, E. H. Bressler, C. D. Cox, M. E. Deming, D. Gonzales Crisp, D. B. Hill, H. Holljes, S. B. Joines, T. Liu, R. C. Moore, W. Place, A. R. Rice, J. M. Searce; **Professors of the Practice:** M. E. Purnell; **Emeritus Professors:** M. J. Davis, H. Khachatoorian, P. Tesar; **Associate Professors:** H. S. Armstrong, K. M. Boone, T. W. Buie, S. Cho, J. Coll-Barreu, P. J. Fitzgerald, R. A. Flinchum, A. A. Fox, C. Gill, D. K. Gulling, J. Hu, B. W. Laffitte, F. H. Magallanes, P. E. Morgado, S. G. Queen, K. J. Schaffer; **Research Associate Professors:** P. K. Baran, N. G. Cosco; **Assistant Professors:** B. Erdim, D. A. Ham, D. K. Littlejohn, C. Mouat Croxatto, C. Pasalar, M. O. Peterson, K. A. Umstead; **Research Assistant Professors:** T. R. Rider

At the College of Design, NC State University, the mission of the Doctoral Programs in Design (comprising both the PhD and D.Des programs) is to improve the human condition through design research and scholarship. This mission is built in equal parts on the recognition of a fertile common ground among the design disciplines and on the need for specificity and depth within them.

The Doctor of Philosophy (Ph.D.) in Design program values a broad range of research interests that aim to improve the human condition through design. The aim of the Ph.D. in Design is to prepare students holding previous degrees in design disciplines to conduct research in the areas of: design for health and well-being; design for learning; design for sustainability; design and technology; design and the urban context; design methods; and design history and criticism.

The Doctor of Design (D.Des.) program provides distance-education opportunities for established design professionals to conduct original investigations using design practices, cases, and methods. D.Des. students pursue practice-based design research in support of professions creating the artifacts, communications, environments, organizing structures, and systems of the future.

Both programs provide a forum for connecting design research to the needs of society, by promoting the application of new knowledge in design and addressing design impacts on larger systems.

Admission Requirements: For admission to both the Ph.D. and D.Des programs, submit official transcripts from earned undergraduate and graduate degrees (two minimum); three letters of reference; TOEFL scores (for international students); residency statement (US residents only); College of Design personal data form; statement of research intent; and portfolio.

GRE scores are required for all Ph.D. applicants, however, if reasoning and writing ability is clearly demonstrated through previous graduate degrees, or professional or academic work products and impact, D.Des. applicants may ask for a waiver of GRE scores.

Doctoral Degree Requirements: Both programs of study require a minimum of 54 credit hours of graduate work beyond the Master's degree.

For the Ph.D. degree, 18 credits (of 54) comprise independent research and dissertation credits with the remaining 36

hours earned from coursework completed in the Ph.D. program. In addition, for Ph.D. students three (3) 1-credit colloquia are required.

For the D.Des. degree, the requirement is just the opposite: 18 credits (of 54) must be earned from formal coursework completed in the D.Des. program, while the remaining 36 hours comprise independent research and dissertation credits. In addition, for D.Des. students, a structured weeklong immersion on campus is required for each semester that a student is enrolled (either part- or full-time).

Student Financial Support: Teaching and research assistantships are available only to Ph.D. students; in addition, those students receiving some form of research assistantship may also receive tuition remission. Assistantships are awarded on the recommendation of the program director in consultation with the faculty.

The Doctor of Design program applies a self-funded model. Therefore no financial aid is available to D.Des. students through College or University institutional channels.

Other Relevant Information: Full admission is permitted only after acceptable applicants have secured/been assigned an advisor.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Economics

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Agricultural and Resource Economics				Y				
Economics	Y			Y		Y		

GRADUATE FACULTY

Directors of Graduate Programs:

S. G. Allen, Box 8114, 919/515-5584, steve_allen@ncsu.edu, Business Management

X. Zheng, Box 8109, 919/515-4543, xiaoyong_zheng@ncsu.edu, Agriculture and Resource Economics

Named Professors: A. B. Brown, D. A. Dickey; **Named Distinguished Professors:** B. K. Goodwin, J. M. Nason, W. N. Thurman, M. L. Walden; **Professors:** S. G. Allen, J. C. Beghin, R. L. Clark, L. A. Craig, P. L. Fackler, A. R. Hall, D. N. Hyman, C. R. Knoeber, D. K. Pearce, N. E. Piggott, R. M. Rejesus, M. A. Renkow, J. J. Seater, E. O. Sills, L. O. Taylor, T. Vukina, M. D. Walker, K. D. Zering, X. Zheng; **Adjunct Professors:** T. P. Holmes; **Emeritus Professors:** G. A. Benson, R. H. Bernhard, G. A. Carlson, L. E. Danielson, J. E. Easley, E. W. Erickson, E. A. Estes, D. Fisher, D. J. Flath, T. J. Grennes, D. M. Holthausen, T. Johnson, C. E. Joyner, H. J. Kleiss, J. S. Lapp, M. C. Marra, C. L. Moore, R. B. Palmquist, C. D. Safley, R. A. Schrimper, W. J. Wessels; **Emeritus Distinguished University Professors:** V. K. Smith; **Associate Professors:** R. G. Hammond, I. T. Kandilov, M. B. McElroy, K. Mitchell, M. S. Morrill, T. S. Morrill, A. W. Oltmans, D. Pelletier, N. J. Traum, R. H. von Haefen; **Adjunct Associate Professors:** C. M. Newmark; **Emeritus Associate Professors:** D. S. Ball, A. E. Headen, E. A. McDermid; **Assistant Professors:** K. A. Boys, Z. S. Brown, U. Dur, G. Fiori, R. P. Guiteras, I. Kalnina, Z. Li; **Adjunct Assistant Professors:** B. J. Hubbell, D. J. MacNair; **Teaching Professors:** P. Cwik, T. C. Morant, B. L. Puryear; **Teaching Assistant Professors:** J. Treme, C. E. Youngblood; **Lecturers:** B. L. Puryear

The graduate program in economics is a joint program of the Department of Agricultural and Resource Economics in the College of Agriculture and Life Sciences and the Department of Economics in the Poole College of Management. Emphasis is placed on economic theory and quantitative economic analysis and their application to economic problems. Master's students can choose between the terminal master's track and the PhD-prep track. In both tracks, they may further tailor their experience by choosing to concentrate in one or multiple of the four fields: financial/macro econometrics; international trade and development; natural resource and environmental economics and economic policy. Students can also choose between engaging in a research project culminating in a thesis (the Master of Science in economics degree) and simply pursuing a coursework only option (the Master of Economics degree). The major fields of specialization for doctoral students are: agricultural economics, development economics, econometrics, environmental/resource economics, industrial organization, international economics, labor economics, macro-monetary economics and microeconomic theory and experimental/behavioral economics.

Admission Requirements: Minimum background for admission for Master's study includes intermediate microeconomics and intermediate macroeconomics, calculus I and calculus II, and one semester of statistics (econometrics courses included). For doctoral study, prerequisites are intermediate microeconomics, intermediate macroeconomics, calculus I-III, linear algebra, and a course in mathematical statistics. GRE scores are required for doctoral applicants only.

Master's Degree Requirements: Both the Master of Science in economics and the Master of Economics degrees require core courses in microeconomics, macroeconomics and econometrics. Each degree also carries additional elective requirements. The M.S. degree requires a thesis. Both degrees offer two tracks: a terminal master's track and a PhD-prep track. Specific course requirements for both the Master of Science and the Master of Economics can be found on the Graduate Program in Economics [website](#). Both Master's degrees require a total of 30 credit hours. Accelerated Bachelor's/Master's degree programs are available for non-thesis options.

Doctoral Degree Requirements: The Ph.D. program requires a minimum of 72 hours and at least six semesters of work beyond the Bachelor's degree. Students must pass written comprehensive examinations in microeconomics and macroeconomics. Course requirements include two semesters of econometrics and six field courses.

Student Financial Support: Research and teaching assistantships are available and are awarded competitively on a merit basis. These assistantships go to Ph.D. students only; there is no financial support for Master's students. Prospective doctoral students who wish to be considered for assistantships should apply for fall admission by January 1.

Other Relevant Information: Graduate students on financial support are provided office space or study carrels. Other students may be assigned study carrels if available. All students have access to the economics graduate student computer lab.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Educational Leadership, Policy, and Human Development

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Adult and Community College Education		Y		Y			Y	

GRADUATE FACULTY

Directors of Graduate Programs:

L. D. Fusarelli, Box 7801, 919/513-0507, lance_fusarelli@ncsu.edu, Educational Leadership, Policy and Human Development

S. Ting, Box 7801, 919/515-6362, ting@ncsu.edu, Educational Leadership, Policy and Human Development

Professors: D. Akroyd, T. W. Cawthon, A. J. Jaeger, P. A. Pasque, S. R. Porter, A. N. Rockenbach, P. D. Umbach;

Professors of the Practice: R. R. Garcia, R. G. Templin; **Adjunct Professors:** L. Gonzalez-Sullivan, J. L. Gwyer, D. G. Oblinger, B. A. Olson, R. S. Ralls; **Emeritus Named Professors:** C. E. Kasworm; **Emeritus Professors:** G. L. Carter, J. C. Glass, G. B. Vaughan; **Emeritus Named Distinguished Professors:** G. A. Baker; **Associate Professors:** S. J.

Barcinas, J. E. Bartlett, T. A. Bowles, J. G. Gayles, B. S. Mehlenbacher, T. V. Young; **Adjunct Associate Professors:** S. C. Faircloth, B. I. Mallette; **Emeritus Associate Professors:** P. F. Bitting; **Assistant Professors:** L. R. Bass, A. B.

Bowden, T. A. Drake, C. D. Hoggan, A. M. Jacob; **Adjunct Assistant Professors:** K. A. Boham, L. M. Chapman, D. K. Deardorff, K. G. Dixon, K. L. Ender, C. C. Figuers, J. E. Fleming, B. J. Frye, E. V. Griffin, C. O. Grochowski, L. D.

Hunt, M. B. Jackowski, L. D. Krute, P. Lari, K. D. Lohr, D. D. McGraw, W. D. McInnis, W. D. Milheim, L. Moneta, S. E. Morrissey, M. H. Nadelman, A. B. Orders, R. R. Parker, D. L. Reichard, M. E. Rittling, L. L. Rouse, S. C. Scott, M.

A. Valek, J. W. Wescott, S. W. Williams, S. Williams, C. L. Zelna; **Teaching Professors:** D. D. Chapman; **Teaching Assistant Professors:** M. E. Bartlett, W. D. Milheim, F. P. Riddick, C. L. Warren, C. C. Williams; **Lecturers:** L. G.

Hervey

The Adult and Community College Education program area is a unique program in its emphasis on serving the spectrum of both formal and informal adult learning organizations, and its inclusion of administrative, instructional and technology-related leadership within a practitioner preparation program. Based on a land-grant, Research Extensive University, the department reflects the tripartite commitment to quality instruction, research scholarship and service outreach.

The Master's degree in Adult and Community College Education is one-of-a-kind as its primary commitment is to part-time students who are full-time working professionals. Full-time students are eligible for consideration to receive full funding through scholarships, fellowships and research and teaching assistantships, which allow our students to work with top faculty on cutting-edge projects. To meet the needs of full- and part-time students, most courses are offered once a week during late afternoon or evening hours. Some courses are regularly available during summer sessions and weekends and through distance education technologies. The Master in Adult and Community College Education provides opportunities to specialize in one of three areas: Adult and Continuing Professional Education, Community College Teaching, or Health Professions Education.

Admission Requirements: Applications for admission are submitted through the Graduate School, accepted year-round and are applicable for the first available term. We accept students from a wide range of disciplinary backgrounds. To qualify for admission, applicants must have a bachelor's degree from an accredited institution of higher education in any field. International applicants must also have a TOEFL score of 100 or higher. Admission decisions are based on several criteria, including undergraduate GPA, work history and interest in the field.

Student Financial Support: To be eligible for financial aid, students must be enrolled in Master's or Doctoral degree programs offered by the University. Unfortunately there is no financial aid available for Graduate Certificate students. Occasionally graduate assistantships are available for full time students in our degree programs. Please check with your

advisor about assistantship opportunities. We recommend that you contact the [Office of Scholarships and Financial Aid](#) to find out what other options are available.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Electrical and Computer Engineering

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Computer Engineering	Y			Y				

GRADUATE FACULTY

Director of Graduate Programs:

P. D. Franzon, Box 7911, 919/515-7351, paulf@ncsu.edu, Electrical and Computer Engineering

Named Professors: S. A. Bedair, I. Husain, D. D. Stancil, M. B. Steer; **Named Distinguished Professors:** J. Narayan, R. J. Trew; **Distinguished Professors:** P. D. Franzon, N. A. Masnari, T. K. Miller, V. Misra, H. T. Nagle, M. A. Vouk; **Distinguished University Professors:** D. E. Aspnes, B. J. Baliga, D. L. Bitzer; **Professors:** M. E. Baran, S. Bhattacharya, G. T. Byrd, M. Chow, H. Dai, W. R. Davis, A. Duel-Hallen, M. J. Escuti, D. Y. Eun, J. J. Grainger, E. Grant, B. L. Hughes, K. W. Kim, R. M. Kolbas, H. Krim, L. Lunardi, R. F. Mueller, J. F. Muth, A. Nilsson, O. Oralkan, M. C. Ozturk, H. G. Perros, D. S. Reeves, E. Rotenberg, G. Rouskas, M. L. Sichitiu, Y. Solihin, M. F. Stallmann, J. K. Townsend, H. J. Trussell, J. V. Veliadis, I. Viniotis, W. Wang, F. Wu, H. Zhou; **Research Professors:** D. C. Hopkins, D. L. Lubkeman, T. M. Paskova; **Professors of the Practice:** L. W. White; **Adjunct Professors:** M. Devetsikiotis, W. C. Holton, Q. HUANG, G. J. Iafate, G. Lazzi, T. M. Paskova, I. Rhee; **Emeritus Named Professors:** J. R. Hauser; **Emeritus Professors:** W. E. Alexander, T. H. Glisson, M. A. Littlejohn, D. F. McAllister, C. M. Osburn, S. A. Rajala, W. E. Snyder; **Associate Professors:** S. T. Alexander, D. Z. Baron, M. Becchi, A. Y. Bozkurt, L. Cao, A. Chakraborty, R. Y. Chirkova, A. G. Dean, B. A. Floyd, E. F. Gehringer, I. Guvenc, K. H. Harfoush, D. S. Lalush, E. Lobaton, N. Lu, S. M. Lukic, D. Ricketts, X. Shen, J. Tuck, D. Vashae, G. M. Walker, C. M. Williams; **Research Associate Professors:** W. Yu; **Adjunct Associate Professors:** A. J. Rindos, T. Xie, M. Yadav; **Emeritus Associate Professors:** G. F. Bland, D. H. Covington, W. C. Peterson; **Assistant Professors:** J. J. Adams, M. Daniele, M. W. Kudenov, S. Lin, S. Pavlidis, B. Reaves, M. Shahzad, W. Tang, H. Tseng, C. Wong, T. Wu; **Research Assistant Professors:** J. Kim, B. Lee; **Adjunct Assistant Professors:** B. Callaway, R. Mikail; **Teaching Professors:** S. D. Jackson; **Teaching Associate Professors:** L. J. Bottomley, B. Evans, H. Orun, M. Yadav, D. G. Yu; **Teaching Assistant Professors:** M. Abbasi; **Lecturers:** A. J. Rindos

The Master of Science in Computer Engineering may be earned with thesis option or through the non-thesis option. Either option may be used as preparation for further graduate study or employment in industrial research, development or design.

Also a strong Ph.D. program is available for those who wish to pursue a research and/or teaching career in Industry, Government or Academia.

Admissions Requirements: Admission to the M.S. program requires a B.S. in electrical engineering, computer engineering or computer science, and an overall undergraduate GPA of at least 3.0. For non-native English speakers, the minimum acceptable TOEFL score for admission to the M.S. program is 90 (minimum 18 in each area, with minimum of 19 on Speaking). The GRE is required for all programs of study but may be waived upon request for graduates from US Universities (see below). Admission is further limited by available room in the elected program of study. Meeting the above minimum requirements alone does not guarantee admission.

Applicants to the Master's and PhD programs who do not have a Bachelor's degree in Electrical Engineering or Computer Engineering, but have a closely related degree from an accredited college or university, must have taken the following pre-requisite courses: courses equivalent to ECE 109, ECE 209, ECE 212, ECE 220, ECE 301, ECE 302, ECE 309 and CSC 226.

GRE scores within the last four years of the date of anticipated admission. Guideline for minimal GRE percentile scores

are 70 percentile verbal, 90 percentile quantitative, and 50 percentile analytical or writing. GRE scores for students who are graduates from NCSU may be waived. They also might be waived for graduates from US ABET accredited programs with good GPAs.

All international applicants from non English speaking countries must submit TOEFL scores. The TOEFL must have been taken within two years of the date of anticipated admission. On the TOEFL iBT, students must have a minimum of 18 on each section of the test with a minimum total of 90. Scores on previous versions of the TOEFL are considered with the same qualitative standard. On the IELTS, we require a minimum score of 6.5 in each section. This requirement also applies to US citizens whose principal language of instruction has not been English (for example, most applicants from Puerto Rico and the Virgin Islands).

TOEFL - institution code 5496; department code 66

GRE - institution code 5496; department code 1203

Admission to the Ph.D. program requires a B.S. or M.S. in electrical engineering, computer engineering or computer science with an expectation of an overall GPA of at least 3.25. The minimum acceptable TOEFL score for admission to the Ph.D. program is 90 (minimum 18 in each area, with minimum of 19 on Speaking). The GRE is required for all programs of study but might be waived for NCSU graduates or graduates from other US ABET accredited schools with good GPAs. Admission is further limited by available room in the elected program of study, and meeting the minimum requirements as given above does not guarantee admission.

Master's Degree Requirements: Thirty-one (31) credit hours; a thesis is optional. Students must have at least 21 hours of ECE courses that cover at least three specialty areas and have at least three credit hours of advanced-level (700-level) ECE courses. Students electing the Option B non-thesis option must meet core course requirements; have ECE courses that cover at least three specialty areas' and have at least three credit hours of 700-level ECE courses.

The Master's degree is offered online through Engineering OnLine. Applications to these MS on-line programs are through the ECE Department and all students must comply with ECE program requirements.

Doctoral Degree Requirements: Approximately 54 credit hours are required beyond the M.S. degree or 72 credit hours beyond the B.S. degree. For those with an NCSU MS degree in our department, no additional courses are required. For those with an NCSU MS degree in another department, 6 credit hours are required in our department. For those with a non NCSU MS degree, 12 credit hours of coursework are required. For those with only a Bachelors degree 30 credit hours of coursework are required. The remaining credit hours are research.

The department wishes to evaluate a Ph.D. student's research potential as quickly as possible. Consequently, all Ph.D. students are required to pass a qualifying review before the end of their third semester of study. This review is based on the student's academic performance to date and the results of a project with one of their committee members. Results are presented to the committee in both written and oral form. Based on this review, the committee will decide if the student may continue in the Ph.D. program.

Student Financial Support: The department offers financial support to qualified students in the form of teaching assistantships, research assistantships, and fellowships. These sources of support generally include coverage of tuition and fees.

[NCSU Graduate Catalog](#)

Elementary Education

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Elementary Education				Y			Y	

GRADUATE FACULTY

Directors of Graduate Programs:

J. K. Lee, Box 7801, 919/513-0126, jkleee@ncsu.edu, Teacher Education and Learning Sciences

J. T. DeCuir-Gunby, Box 7801, 919/513-7669, jessica_decur@ncsu.edu, Teacher Education and Learning Sciences

Professors: P. L. Marshall, P. Sztajn; **Associate Professors:** S. J. Carrier, K. A. Keene, J. Minogue, M. M. Thomson, T. A. Walkowiak, A. M. Wiseman; **Assistant Professors:** C. C. Lee, J. N. Pearson, J. Wilson; **Teaching Associate Professors:** V. N. Faulkner, A. D. Harrington; **Teaching Assistant Professors:** M. J. Jeffries, J. G. Koch

The Elementary Education program in the TELS department offers a Master of Education (M.Ed.) degree in Elementary Education with a concentration in either mathematics or science education. The Master's program prepares teacher leaders who possess strong specialized content knowledge in mathematics or science and a deep understanding of how elementary students learn. The program, designed for those who already hold a current teaching license, is especially tailored to provide candidates with leadership and application skills to transfer their knowledge to their work with elementary school teachers and students.

The program is considered Distance Education (DE) and offered off campus at school sites in the region to take advantage of reduced DE tuition rates.

For more information please see <https://ced.ncsu.edu/programs/elementary-education-master/>

The coursework for the mathematics and science concentrations are approved by the North Carolina State Board of Education. Therefore, graduates of the M.Ed. program are eligible to receive the elementary mathematics or elementary science specialist add-on to their North Carolina K-6 teaching license from the Department of Public Instruction. The College of Education is accredited by the Council for the Accreditation of Educator Preparation (CAEP).

Admission Requirements:

Elementary Education Master's program: Application requirements include a 500-800 word statement describing professional goals, transcripts and reference letters, and a teaching license. The Graduate School requires a 3.0 GPA in an undergraduate program. The best qualified applicants will be accepted up to the limited number of spaces available for new students.

For the M.S. degree, a minimum of 33 hours is required. The M.S. degree requires a thesis and final oral examination approved by the graduate committee. It is the responsibility of MS students to secure an advisor in advance to supervise their thesis research.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Engineering - (Off-campus program only)

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Engineering						Y		

GRADUATE FACULTY

Director of Graduate Programs:

M. A. Bourham, Box 7909, 919/515-7662, bourham@ncsu.edu, Nuclear Engineering

Named Professors: S. A. Khan, G. N. Parsons; ***Named Distinguished Professors:*** C. C. Koch; ***Named Distinguished University Professors:*** T. J. Hodgson; ***Distinguished Professors:*** J. J. Cuomo, P. D. Franzon, J. Genzer, M. A. Vouk; ***Distinguished University Professors:*** M. A. Barlaz; ***Professors:*** M. A. Bourham, M. Chow, A. Duel-Hallen, Y. Fathi, R. D. Gould, C. S. Grant, J. M. Nau, H. G. Perros, S. Ranjithan, D. S. Reeves, P. I. Ro, G. Rouskas, R. O. Scattergood, L. M. Silverberg, M. P. Singh, J. K. Townsend, H. J. Trussell, I. Viniotis; ***Emeritus Named Professors:*** C. F. Zorowski; ***Emeritus Professors:*** T. Johnson, M. L. Leming, C. M. Osburn, C. F. Zorowski; ***Emeritus Distinguished Professors:*** D. W. Johnston; ***Associate Professors:*** J. W. Eischen, E. F. Gehringer, J. P. Lavelle; ***Emeritus Associate Professors:*** T. L. Honeycutt, E. Sanii; ***Adjunct Assistant Professors:*** L. D. Krute

The Master of Engineering distance education program serves the needs of students whose schedule or location does not allow for on-campus study, working professionals wishing to obtain an advanced degree, or those who are seeking to change fields within engineering. Students design the plan of study which best meets their career or educational goals.

Admission Requirements: Applicants must have an undergraduate degree in engineering or closely related field with a minimum overall GPA of 3.0. Individuals who do not meet these criteria may need to complete prerequisites before being admitted to the program. GRE scores are not required. International applicants may be required to take the TOEFL or IELTS exam.

Up to 12 hours of credit may be transferred into the program from other universities or non-degree studies, with approval.

Plan of Study: The Master of Engineering is a 30-credit-hour, interdisciplinary program. Students must identify an area of concentration from which they will complete three to six classes. The remaining hours may be taken from any other discipline, or from related departments (Science, Business, etc.) with advisor approval.

Areas of Concentration:

Aerospace Engineering
Chemical Engineering
Computer Engineering
Computer Science
Electrical Engineering
Engineering Management
Industrial Engineering
Mechanical Engineering
Materials Science and Engineering
Nuclear Engineering

[NCSU Graduate Catalog](#)

English

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
English					Y			

GRADUATE FACULTY

Director of Graduate Programs:

J. S. Mulholland, Box 8105, jsmulhol@ncsu.edu, English

Named Distinguished University Professors: W. A. Wolfram; **Distinguished Professors:** A. H. Harrison, J. M. Nfah-Abbenyi; **Distinguished University Professors:** C. M. Anson; **Professors:** W. W. Barnhardt, M. P. Carter, M. G. Gordon, J. M. Grimwood, H. D. Kellner, J. J. Kessel, D. L. Laux, L. S. May, W. J. Miller, M. E. Orr, A. M. Penrose, S. M. Setzer, L. R. Severin, A. F. Stein, J. Swarts, E. R. Thomas, J. F. Thompson, J. N. Wall, C. A. Warren; **Professors of the Practice:** J. C. McCorkle; **Emeritus Professors:** B. J. Baines, J. Balaban, G. W. Barrax, P. E. Blank, J. W. Clark, A. M. Davis-Gardner, J. D. Durant, C. Gross, L. T. Holley, W. J. Jordan, J. J. Kessel, A. S. Knowles, L. H. MacKethan, W. E. Meyers, C. R. Miller, C. A. Prioli, J. J. Small, L. Smith, J. J. Smoot, M. H. Thuente, R. V. Young; **Associate Professors:** A. Baker, B. A. Bennett, B. M. Boggs, A. Bolonyai, H. J. Burgess, C. J. Crosbie, H. Ding, R. M. Dodsworth, M. K. Dudley, C. J. Fedukovich, P. C. Fyfe, O. Gelley, S. M. Katz, R. C. Kochersberger, J. I. Mielke, J. D. Morillo, J. S. Mulholland, D. A. Orgeron, J. L. Reaser, D. M. Rieder, T. L. Stinson, R. A. Walsh; **Adjunct Associate Professors:** S. L. Joffe; **Emeritus Associate Professors:** D. H. Covington, R. S. Dicks, M. F. King, R. C. Kochersberger, C. E. Moore, D. J. Reavis, H. C. West; **Assistant Professors:** Z. C. Beare, R. W. Browdy, F. D. Cason, E. C. Corral, A. R. Johnston, J. A. Nolan, S. L. Pigg, M. Simon, D. M. Walls; **Teaching Associate Professors:** B. Blackley; **Teaching Assistant Professors:** J. R. Knowles

The Master of Arts program offers four concentrations representing distinctive dimensions of the field of English: Literature, Linguistics, Rhetoric and Composition, and Film Studies. United by a common emphasis on research and critical thinking, the four options offer diverse perspectives and methods for exploring culture and language in myriad forms and circumstances. The degree can serve either as a complete course of study or as the first phase of study toward a doctoral degree at another institution.

Admission Requirements: Overall GPA of 3.0 or higher. Applicants should submit GRE scores (general aptitude and analytical writing; the subject test in English is not required); one official transcript of all undergraduate and graduate work; three letters of recommendation; a statement of purpose; and a writing sample. Students are admitted for either the fall or spring semesters.

Requirements for MA in English: Students select one of four concentrations: Literature, Linguistics, Rhetoric and Composition, or Film Studies. Students choose from a [broad array of courses](#) in these disciplinary areas, including an increasing number of boundary-crossing [special topics](#) courses. Each concentration requires 33 credit hours, including a 3 credit hour capstone research project in the concluding semester. Course requirements vary by concentration; please see the [program website](#) for specific requirements by concentration.

Student Financial Support: [Teaching assistantships](#) are available for a limited number of promising students. Applications for assistantships are due February 1 and are only available for those entering in the fall semester.

The English department has a long tradition of academic and literary excellence in all manner of established and cutting-edge fields of inquiry. It also offers a graduate certificate in Digital Humanities. The department is home to editors of several contemporary journals and presses, including Free Verse: A Journal of Contemporary Poetry & Poetics, Hyperrhiz: New Media Cultures. Situated in a university known for its innovative research in engineering and the sciences, the English department's multidisciplinary program offers students the opportunity to do creative and

academic work that engages with issues of technology and its interactions with individuals and institutions.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Entomology and Plant Pathology

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Entomology	Y			Y				

GRADUATE FACULTY

Director of Graduate Programs:

C. E. Sorenson, Box 7613, 919/515-8427, clyde_sorenson@ncsu.edu, Entomology and Plant Pathology

Named Professors: R. R. Dunn, B. M. Wiegmann; **Named Distinguished Professors:** R. L. Brandenburg, F. L. Gould, G. G. Kennedy, R. Roe, C. J. Schal, J. Silverman; **Professors:** D. Buchwalter, W. G. Buhler, H. J. Burrack, J. R. Meyer, M. J. Scott, C. E. Sorenson, D. R. Tarpy, J. F. Walgenbach, D. W. Watson, A. E. Whitfield; **Research Professors:** A. C. Cohen; **Adjunct Professors:** J. J. Arends, Y. J. Cardoza, G. Gordh, N. M. Haddad, N. M. Hamon, D. A. Herbert, A. A. Perez de Leon, D. E. Sonenshine; **Emeritus Named Professors:** C. S. Apperson, J. W. VanDuyn; **Emeritus Professors:** J. S. Bachelier, J. R. Baker, J. R. Bradley, W. M. Brooks, W. V. Campbell, L. L. Deitz, M. H. Farrier, F. P. Hain, J. D. Harper, H. B. Moore, H. H. Neunzig, J. F. Roberts, R. L. Robertson, K. A. Sorensen, P. S. Southern, R. E. Stinner, C. G. Wright; **Associate Professors:** S. D. Frank, M. D. Lorenzen, D. B. Orr, D. D. Reisig, D. Rotenberg; **Research Associate Professors:** R. M. Jetton; **Adjunct Associate Professors:** S. Bloem, K. R. Lakin, W. O. McMillan, C. Nalepa, R. A. Sequeira, J. W. Smith; **Emeritus Associate Professors:** R. C. Hillmann; **Assistant Professors:** Z. S. Brown, M. H. Reiskind; **Adjunct Assistant Professors:** K. T. Kreitlow, M. M. Lopez-Urbe, K. A. Suiter; **Extension Associate Professors:** M. G. Waldvogel

Course offerings or research facilities are available in the following areas: agricultural entomology, apiculture, aquatic entomology, behavior, biological control, chemical ecology, forest entomology, genetic pest management, host-plant resistance, insect ecology, insect transmission of plant pathogens, insect microbe interactions, medical and veterinary entomology, pest management, physiology, molecular biology, population genetics, insect symbiosis, urban ecology, urban entomology, systematics and toxicology.

Admission Requirements: A minimum score of 300 (1000 old score) combined (verbal plus quantitative) is necessary for admission to the M.E. or M.S. program while a score of 306 (1100 old score) is required for the Ph.D. program. Training in biology and appropriate courses in chemistry, biochemistry, mathematics and physics, is preferred. A "B" average (3.0 GPA) is required in biology courses and an overall 3.0 GPA during the last two years of the undergraduate program.

Master's Degree Requirements: A minimum of 30 credits are required for graduation 9 credits of letter grade entomology courses plus 2 credits of entomology student seminars are also required. The student's advisory committee will meet with the student to identify an appropriate plan of course work.

Doctoral Degree Requirements: A minimum of 72 credits (18 may be transferred from a Master's degree) are required for graduation. For Ph.D. students 9 credits of letter grade entomology courses plus 3 credits of entomology student seminars are required. The student's advisory committee will meet with the student to identify an appropriate plan of course work.

Student Financial Support: Graduate assistantships and other forms of aid are available to students as described in the Fellowships and Graduate Assistantships section of the Graduate Catalog.

Other Relevant Information: Full admission is permitted only after acceptable applicants have secured an advisor and appropriate financial support. All students are expected to begin their research as soon as possible.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Environmental Assessment

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Environmental Assessment						Y		

GRADUATE FACULTY

Directors of Graduate Programs:

L. R. Taylor, Box 8008, 919/513-3972, lr_taylor@ncsu.edu, Forestry and Environmental Resources

T. H. Shear, Box 8008, 919/515-7794, ted_shear@ncsu.edu, Forestry and Environmental Resources

Professors: D. D. Aday, H. V. Daniels, B. Goldfarb, E. G. Nichols, M. N. Peterson, D. Shea; **USDI Professors:** T. J. Kwak; **Associate Professors:** G. B. Blank, L. V. Kochtcheeva; **Emeritus Associate Professors:** S. T. Warren; **Extension Professors:** M. A. Megalos; **Teaching Assistant Professors:** W. A. Kallestad, C. E. LePrevost; **Lecturers:** S. E. Graham, L. R. Taylor

The Master of Environmental Assessment Degree is an interdisciplinary program focused on understanding the adverse impacts that pollutants and naturally occurring substances pose on human health and the environment. The program builds upon NC State University's expertise in environmental issues and problem solving. The program is designed as a completely online degree. This allows professionals the flexibility to complete their degree while still working. In addition, individuals can boost their credentials through our (non degree) certificate program. Through the program, students combine multiple fields of study to tackle complex environmental problems.

Admission Requirements: Admissions to the Master of Environmental Assessment degree is based on the evaluation of several criteria and credentials including educational and professional experience, potential for graduate work, and availability and interest of faculty advisors. Final admission to the degree is granted by the Graduate School upon recommendation of the Environmental Assessment Director of Graduate Programs. See the program website for admissions deadlines. Students are only admitted for fall and spring semesters.

Graduate Record Exam (GRE) results are NOT required for admittance to the program. In general, applicants should hold a B.A. or B.S. degree in a natural resources, environmental science and management, engineering, or related field and have an undergraduate GPA of 3.0 or higher. Experience in environmental management, consulting or regulatory administration will be considered for students with a Bachelors degree in an unrelated field. For those without the necessary background courses in undergraduate science, or mathematics, some additional coursework may need to be completed prior to the start of the graduate student program.

Master's Degree Requirements: The Master of Environmental Assessment Program requires students to complete 30 credit hours of graduate coursework. Twenty-four hours will be in required courses with the remaining six hours selected from the list of elective courses or equivalent.

Once enrolled, each student must submit a plan of work outlining the 30 credit hours which will be included in the students program. Students in the Master of Environmental Assessment program are self-supported. Self-supported students may take up to 9 credit hours of course work per semester. However, students who are employed full time may find it advantageous to enroll in one or two courses per semester.

Other Relevant Information: The Masters of Environmental Assessment requires completion of a professional project. Students will develop a project in his/her area of interest in collaboration with an appropriate organization, agency or business under the direction of their faculty advisor. The Professional Project, is an applied "capstone" experience that is a "paper study" which might include such tasks as assembling existing data and performing a risk assessment. Students will enroll in EA 665 as part of their project research. Upon completion of the research or project work, each

student presents their project (both process and results) in a public departmental seminar and turns in a paper summarizing the relevant research of the professional project.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Fiber and Polymer Science

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Fiber and Polymer Science	Y							
Textile Technology Management	Y							

GRADUATE FACULTY

Director of Graduate Programs:

S. Michielsen, Box 8301, 919/515-1414, Stephen_Michielsen@ncsu.edu, Textile Engineering, Chemistry and Science

Named Professors: R. L. Barker, S. Fang, H. S. Freeman, D. Hinks, S. A. Khan, R. E. King, W. Oxenham, A. E. Tonelli; **Named Distinguished Professors:** B. Pourdeyghi; **Named Distinguished University Professors:** A. B. Godfrey, R. B. Handfield, T. J. Hodgson, B. M. Novak, M. Rappa; **Distinguished Professors:** J. Genzer, R. J. Spontak; **Professors:** H. Ade, C. M. Balik, K. R. Beck, C. C. Bozarth, C. L. Bumgardner, T. G. Clapp, A. M. El-Shafei, P. S. Fedkiw, R. E. Fornes, T. K. Ghosh, R. E. Gorga, C. B. Gorman, P. J. Hauser, S. M. Hudson, C. L. Istook, W. J. Jasper, J. A. Joines, M. W. King, T. A. Lamar, K. K. Leonas, T. J. Little, M. G. McCord, S. Michielsen, M. M. Moore, M. Pasquinelli, J. P. Rust, A. M. Seyam, R. Shamey, R. A. Venditti, A. J. Williams, J. R. Wilson, X. Zhang; **Adjunct Professors:** E. G. Lobo-Polefka, K. Mathur, O. J. Rojas; **Emeritus Named Professors:** S. K. Batra, S. P. Hersh, H. B. Hopfenberg, C. B. Smith, M. W. Suh, S. C. Winchester, C. F. Zorowski; **Emeritus Professors:** R. A. Barnhardt, R. A. Donaldson, A. H. El-Shiekh, R. E. Fornes, P. L. Grady, B. S. Gupta, D. M. Holthausen, G. N. Mock, H. G. Olf, N. C. Powell, S. T. Purrington, W. C. Stuckey, M. H. Theil, C. Tomasino, C. F. Zorowski; **Emeritus Distinguished Professors:** M. H. Mohamed; **Associate Professors:** K. E. Annett-Hitchcock, P. Banks-Lee, K. A. Barletta, P. D. Bradford, E. A. DenHartog, H. H. Hergeth, G. L. Hodge, J. S. Jur, R. Kotek, W. E. Krause, J. P. Lavelle, L. A. Lucia, L. Pal, L. L. Parrillo-Chapman, L. F. Rothenberg, S. I. Salmon, Y. Xu; **Research Associate Professors:** D. P. Griffiths; **Adjunct Associate Professors:** J. P. Casani, G. M. Garland, S. B. Moore; **Emeritus Associate Professors:** S. N. Chapman, J. K. McCreery, G. W. Smith; **Assistant Professors:** E. N. Ford, W. Gao, S. Lim, D. R. Matthews, J. A. Porterfield, E. Shim, M. Suh, N. R. Vinuesa Benitez, A. J. West, J. F. Woodbridge; **Research Assistant Professors:** N. Anantharamaiah, G. M. Garland, B. Maze, B. Yeom; **Teaching Professors:** H. Hamouda, H. L. Nuttle; **Lecturers:** G. M. Devine

Fiber and Polymer Science is a multidisciplinary program bringing together the disciplines of mathematics, chemistry and physics and the application of engineering principles for the development of independent scholars versed in all aspects of fiber and polymer materials science. Thus, fiber and polymer science is concerned with the formation of and the mechanical, physical and chemical properties of polymeric materials, fibers produced from them, fiber assemblies in one-, two- and three-dimensional forms, and fiber reinforced composites, as well as the utilization thereof.

Admission Requirements: Students majoring in the physical sciences, engineering, mathematics, textiles and having a Master's degree with at least a 3.15 GPA will normally qualify for admission. For exceptionally qualified students, the Master's degree requirement may be waived, and the student can be admitted directly into the Ph.D. program.

Doctoral Degree Requirements: Credit-hour requirements for the Doctor of Philosophy degree are 72. (Up to 18 hours from an M.S. may be applied against the 72 provided they align well with the FPS program.) Students are admitted to candidacy for the Ph.D. degree after passing a prescribed group of courses, completing a scholarly critique of existing knowledge in the field of specialization, and orally defending a research proposal. They must also demonstrate proficiency in English technical writing.

Student Financial Support: Financial aid in the form of Graduate Research Assistantships, Teaching Assistantships, or other assistantships and fellowships is available to a limited number of students.

COURSE OFFERINGS (Extensive use may be made of graduate course offerings in other colleges on campus when developing the minor field.)

Click on [Graduate Courses](#) for current Fiber and Polymer Science course information.

OTHER GENERAL COURSES

TC 704 Fiber Formation--Theory and Practice
TC(CH,MSE) 762 Physical Chemistry of High Polymers--Bulk Properties
TC 791 Special Topics in Textile Science
TMS 500 Fiber and Polymer Microscopy
TMS 761 Mechanical and Rheological Properties of Fibrous Material
TMS 762 Physical Properties of Fiber Forming Polymers, Fibers and Fibrous Structures
TMS(MSE) 763 Characterization of Structure of Fiber Forming Polymers

COURSES IN AREAS OF SPECIALIZATION

Polymer Chemistry and Synthesis

TC 530 The Chemistry of Textile Auxiliaries
TC(MSE) 561 Organic Chemistry of Polymers
TC 720 Chemistry of Dyes and Color
TC 721 Dye Synthesis Laboratory

Polymer Physics and Physical Chemistry

TC 704 Fiber Formation--Theory and Practice
TC 705 Theory of Dyeing
TC(CH,MSE) 762 Physical Chemistry of High Polymers--Bulk Properties
TC(CHE) 769 Polymers, Surfactants and Colloidal Materials
TC(CH,MSE) 772 Physical Chemistry of High Polymers--Solution Properties
TC(CHE) 779 Diffusion in Polymers
TC 792 Special Topics in Fiber Science
TMS 500 Fiber and Polymer Microscopy

Mechanics of Textile Materials and Processes

FPS(TT) 781 Mechanics of Twisted Structures
FPS(TT) 782 Mechanics of Fabric Structures
TE 565 Textile Composites
TT 500 Understanding the Textile Complex
TT 503 Materials, Polymers, and Fibers used in Nonwovens
TT 504 Introduction to Nonwovens Processes and Products
TT 505 Advanced Nonwovens Processing
TT 506 Bonding Principles in Nonwovens
TT 507 Nonwoven Characterization Methods
TT 508 Nonwoven Product Development
TT 520 Yarn Processing Dynamics
TT(TE,TMS) 521 Filament Yarn Production Processing and Properties
TT 549 Warp Knit Engineering and Structural Design
TT 550 Production Mechanics and Properties of Woven Fabrics
TT 551 Advance Woven Fabric Design & Structure
TT 552 Formation, Structure and Assembly of Medical Textile Products
TT 570 Textile Digital Design and Technology
TT 571 Professional Practices in Textile Design and Technology
TT 581 Technical Textiles
TT 591 Special Studies in Textile Technology
TT(FPS) 720 Yarn Production Properties: Advanced Topics

[NCSU Graduate Catalog](#)

Financial Mathematics

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Financial Mathematics						Y		

GRADUATE FACULTY

Directors of Graduate Programs:

S. G. Allen, Box 8114, 919/515-5584, steve_allen@ncsu.edu, Business Management

T. Pang, Box 8205, 919/513-2110, tpang@ncsu.edu, Mathematics

Named Professors: D. A. Dickey; **Professors:** P. L. Fackler, S. K. Ghosh, K. Ito, N. G. Medhin, J. J. Seater, T. Vukina, J. R. Wilson; **Emeritus Professors:** R. H. Bernhard, P. Bloomfield; **Associate Professors:** M. J. Kang, T. Pang, D. Pelletier, C. E. Smith; **Adjunct Associate Professors:** R. W. Ellson; **Emeritus Associate Professors:** J. S. Scroggs; **Adjunct Assistant Professors:** J. D. Hauenstein; **Teaching Professors:** B. L. Puryear; **Lecturers:** B. L. Puryear

The Departments of Mathematics, Agricultural and Resource Economics, Economics, Industrial and Systems Engineering, and Statistics offer a program leading to the degree of Master of Financial Mathematics. After completing the core requirements, students choose electives to suit their individual needs and interests.

Admissions Requirements: Applicants for admission should have an undergraduate degree that would preferably include courses in advanced calculus, modern algebra, and linear algebra.

Master of Financial Mathematics Requirements: In addition to course requirements (six core courses and four electives), the Master of Financial Mathematics degree requires completion of a three-credit internship or research project.

Student Financial Support: Some funding is available through a limited number of fellowships. Consideration for the support is automatic. There are no teaching assistantships or research assistantships for this Professional Science Masters.

REQUIRED CORE COURSES

ECG 528 Asset Pricing

ISE 711 Capital Investment Economic Analysis

ST 501 Statistical Theory I

MA 547 Financial Mathematics

FIM 548 Monte Carlo Methods for Financial Mathematics

ST 502 Statistical Theory II

ECG 766 Computational Methods in Economics and Finance

GRADUATE COURSES

MBA 521 Advanced Corporate Finance

MBA 522 Portfolio and Capital Market Theory

MBA 524 Equity Valuation

MBA 526 International Finance

MBA 527 Corporate Risk Management

MBA 529 New Firm Financing

ECG 716 Topics in Environmental and Resource Economics

ECG 749 Monetary Aspects Of International Trade

ECG(ST) 751 Econometrics

ECG(ST) 752 Topics in Econometrics
ECG 784 Advanced Macroeconomics
ISE 709 Dynamic Programming
ISE 712 Bayesian Decision Analysis for Engineers and Managers
MA(ST) 747 Probability and Stochastic Processes II
MA(ST) 748 Stochastic Differential Equations
MA 584 Numerical Solution of Partial Differential Equations-Finite Difference Methods
MA 591 Financial Risk Analysis
ST 730 Applied Time Series Analysis
ST 782 Time Series Analysis: Time Domain
ST 783 Time Series Analysis: Frequency Domain
ST 810 Advanced Topics in Statistics

[NCSU Graduate Catalog](#)

Fisheries, Wildlife, and Conservation Biology

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Fisheries, Wildlife, and Conservation Biology	Y			Y		Y		

GRADUATE FACULTY

Directors of Graduate Programs:

C. E. Moorman, Box 8008, chris_moorman@ncsu.edu, Forestry and Environmental Resources
D. D. Aday, Box 7617, derek_aday@ncsu.edu, Zoology
J. F. Levine, Box 8208, 919/513-6397, jflevine@ncsu.edu, Marine, Earth and Atmospheric Sciences
M. K. Stoskopf, Box 8401, 919/513-6279, michael_stoskopf@ncsu.edu, College of Veterinary Medicine
R. E. Irwin, Box 7617, reirwin@ncsu.edu, Zoology
T. H. Shear, Box 8008, 919/515-7794, ted_shear@ncsu.edu, Forestry and Environmental Resources

Named Professors: W. G. Cope, R. R. Dunn; **Professors:** D. D. Aday, R. J. Borski, J. A. Buckel, M. T. Correa, F. W. Cubbage, H. V. Daniels, C. S. DePerno, D. B. Eggleston, J. R. Godwin, K. Gross, C. A. Harms, G. R. Hess, J. M. Hinshaw, C. A. Layman, J. F. Levine, K. M. Meurs, C. E. Moorman, S. C. Nelson, M. N. Peterson, J. A. Rice, R. J. Richardson, A. H. Ross, R. M. Scheller, C. E. Sorenson, M. K. Stoskopf; **Research Professors:** S. Kennedy-Stoskopf; **USDI Professors:** J. A. Collazo, T. J. Kwak, T. R. Simons; **Adjunct Professors:** J. G. Boreman, N. M. Haddad, J. E. Hightower, L. S. Mills, F. S. Scharf; **Emeritus Professors:** P. T. Bromley, B. J. Copeland, L. A. Degernes, P. D. Doerr, R. A. Lancia, R. L. Noble, K. H. Pollock, R. A. Powell; **Associate Professors:** M. V. Katti, R. B. Langerhans, T. H. Shear; **Research Associate Professors:** C. B. Cooper, R. W. Kays; **Adjunct Associate Professors:** W. G. Dorgeloh, C. A. Harper; **Assistant Professors:** T. M. Harrison, L. R. Larson, J. K. Pacifici, O. A. Petritz, B. J. Reading, B. W. Taylor; **Research Assistant Professors:** J. R. Fischer, M. B. Reiskind; **Adjunct Assistant Professors:** T. R. Black, E. F. Christiansen, D. T. Cobb, K. Delk, M. J. Eaton, R. J. Heise, C. J. Kendall, J. C. Kilgo, R. W. Laney, M. R. Loomis, L. J. Minter, J. A. Morris, A. J. Terando; **Teaching Associate Professors:** L. B. Pacifici; **Lecturers:** W. G. Dorgeloh

The degrees are offered through the Fisheries, Wildlife, and Conservation Biology program, an intercollegiate program administered by the Colleges of Natural Resources, Agriculture and Life Sciences, and Veterinary Medicine. Students are affiliated with the department of their major professor. The degrees emphasize habitat assessment, population biology, human dimensions, environmental policy, animal health, and sustainable management of fish and wildlife species.

Admissions Requirements: Application for admission is made directly to the Fisheries, Wildlife, and Conservation Biology program. Minimum requirements include an undergraduate grade point average of 3.0 in an appropriate biological discipline and completion of the Graduate Record Examination (GRE). Admission is competitive and is contingent on the willingness of a member of the faculty to serve as the major professor. Exceptions to minimum requirements may be made for students with special backgrounds.

Master's Degree Requirements: The M.S. degree program requires a minimum of 30 credit hours, including 1-2 hours of seminar and no more than six hours of research. A research-based thesis is required, as is a minor (usually 9-10 hours). The Master of Fisheries, Wildlife, and Conservation Biology degree requires a minimum of 36 credits, including 4-6 hours of special problems and 1-2 hours of seminars, and a professional paper is required. For either degree, further requirements may be imposed by the advisory committee and/or department.

Doctoral Degree Requirements: The Ph.D. program requires 36 to 54 credits of course work beyond the Master's degree, including two seminars and an ethics course, and a dissertation. Exceptionally well-prepared students may petition to have their degree objective changed to Ph.D. before completing the Master's degree.

Student Financial Support: Graduate research and teaching assistantships are offered for qualified students through participating departments. Commitments for assistantships are normally made at the time of admission to graduate study.

Other Relevant Information: Research near campus is facilitated by excellent field, laboratory and computer resources. Off-campus research is conducted at the Pamlico Aquaculture Field Laboratory, research and extension centers in eastern and western NC, The Center for Marine Sciences and Technology in Morehead City, Bull Neck Swamp, Hill Forest, and at facilities of state and federal agencies and private organizations. For additional information, see the Fisheries, Wildlife, and Conservation Biology graduate web page: <http://cnr.ncsu.edu/fer/grad/future/>.

Click on [Graduate Courses](#) for current course information.

COURSES FROM ASSOCIATED DEPARTMENTS

BIO 561 Conservation Biology
FW 511 Human Dimension of Wildlife
FW 544 Mammalogy
FW 553 Principles of Wildlife Science
FW 560 International Wildlife Management and Conservation
FW 565 African Ecology and Conservation
FW 602/802 Seminar in Fisheries and Wildlife
FW 720 Epidemiology of Wildlife Diseases
FW 730 Ethics in Fisheries and Wildlife Sciences
FW 801 Issues in Fisheries and Wildlife Sciences Doctoral Seminar
ST 506 Sampling Animal Populations
ZO 501 Ornithology
ZO 542 Herpetology
ZO 726 Quantitative Fisheries Management

[NCSU Graduate Catalog](#)

Food, Bioprocessing, and Nutrition Sciences

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Food Science	Y			Y		Y		

GRADUATE FACULTY

K. P. Sandeep, *Department Head*

Director of Graduate Programs:

J. C. Allen, Box 7624, 919/513-2257, jon_allen@ncsu.edu, Food, Bioprocessing, and Nutrition Sciences

Named Professors: M. A. Drake, L. Jaykus, S. A. Khan; **Named Distinguished Professors:** E. A. Foegeding; **Distinguished Professors:** M. Lila; **Professors:** J. C. Allen, K. E. Anderson, S. L. Ash, P. A. Curtis, M. G. Ferruzzi, S. A. Hale, H. M. Hassan, S. Kathariou, T. C. Lanier, D. K. Larick, K. P. Sandeep, J. D. Sheppard; **Research Professors:** J. Simunovic; **USDA Professors:** F. Breidt, V. D. Truong; **Adjunct Professors:** P. M. Coronel, C. R. Daubert, J. P. Davis, B. E. Farkas, A. Kilara, R. C. Theuer; **Emeritus Professors:** L. W. Aurand, H. R. Ball, L. C. Boyd, R. E. Carawan, D. E. Carroll, G. L. Catignani, D. P. Green, M. E. Gregory, A. P. Hansen, V. A. Jones, C. J. Lackey, J. L. Oblinger, D. H. Pilkington, J. E. Rushing, S. J. Schwartz, B. W. Sheldon, L. G. Turner, D. R. Ward; **Emeritus Named Distinguished Professors:** K. R. Swartzel; **Emeritus Named Distinguished University Professors:** T. R. Klaenhammer; **Emeritus Distinguished Professors:** H. E. Swaisgood; **Associate Professors:** R. Barrangou, B. J. Chapman, P. Cowen, L. S. Goodell, D. J. Hanson, G. K. Harris, C. D. Kay, S. Komarnytsky; **USDA Associate Professors:** L. L. Dean; **Emeritus USDA Professors:** H. P. Fleming, R. F. McFeeters, T. H. Sanders, W. M. Walter; **Adjunct Associate Professors:** R. R. Sharma-Shivappa, O. T. Toomer; **Assistant Professors:** A. Fogleman, E. Gutierrez Rodriguez, C. D. Stevenson; **USDA Assistant Professors:** S. D. Johanningsmeier, I. M. Perez Diaz, O. T. Toomer; **Adjunct Assistant Professors:** A. Amezcuita, S. Sang

The department's professional activities include teaching, research, and extension functions. The program provides an educational, research, and informational center in food science for North Carolina and the nation. The department also houses two research centers, the Southeast Dairy Foods Research Center and the Center for Advanced Processing and Packaging Studies. Course offerings and research opportunities are available in the following areas: chemistry-biochemistry, engineering, microbiology, nutrition and processing technology. The strategic directions of the faculty and staff are in the areas of: food safety and foodborne disease prevention; food manufacturing and entrepreneurship; instructional innovation and effectiveness; and, foods for health and well-being.

Admissions Requirements: To be admitted, a student should be a graduate of an accredited program in food science or the equivalent. Graduates of other majors can be admitted but will have additional course requirements. The best qualified applicants will be accepted up to the number of spaces that are available for new students. We only recommend admission to the M.S. or Ph.D. degree if a member of our research faculty is willing to advise the student's research. Applications from qualified candidates will be reviewed by faculty seeking research students; conversely applicants may contact faculty whose research specialty is of interest to inquire about available positions. Admission to the Master of Food Science will be based on the qualifications of the applicants.

Master's Degree Requirements: A Master's program must include courses from at least two of the following categories: chemistry-biochemistry, engineering, microbiology, nutrition and processing technology. The M. S. in Food Science requires 30 credit hours of course work and research. The Master of Food Science requires 36 credit hours of course work, including an independent project and professional skills.

Doctoral Degree Requirements: A doctoral program must include courses from at least three of the categories listed above (or equivalent courses at another university). Total course credits will vary depending on the needs of the student

and the requirements of the Graduate School. All doctoral students are required to pass a departmentally administered written preliminary exam, designed to evaluate a Ph.D. student's general knowledge and comprehension of food science.

Student Financial Support: Graduate assistantships and other forms of student aid available to students in this program are described elsewhere in the Graduate Catalog. Admission does not guarantee availability of financial support.

Other Relevant Information: Students are encouraged to make personal contact with individual faculty whose research program is of interest to them. Information describing each faculty member's program is available at our website (<http://ncsu.edu/foodscience>).

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Foreign Languages and Literatures

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Foreign Languages and Literatures					Y			

GRADUATE FACULTY

R. V. Gross, *Department Head*

Director of Graduate Programs:

J. C. Michnowicz, Box 8106, michnowicz@ncsu.edu, Foreign Languages and Literatures

Named Professors: G. A. Dawes; **Professors:** T. P. Feeny, M. D. Garval, R. V. Gross, H. A. Jaimes, D. M. Marchi, J. Mari, J. A. Pasten, E. Tai; **Emeritus Professors:** J. R. Kelly, Y. B. Rollins, M. A. Witt; **Associate Professors:** V. Bilenkin, H. G. Braunbeck, M. A. Darhower, S. Despain, S. E. Garrigan, N. K. Isaacson, J. P. Mertz, J. C. Michnowicz, S. S. Mody, L. A. Mykyta, V. A. Wust; **Emeritus Associate Professors:** R. A. Alder, S. T. Alonso, M. M. Magill, M. L. Salstad; **Assistant Professors:** M. R. Eley, R. E. Ronquest; **Teaching Associate Professors:** G. L. Mathews; **Teaching Assistant Professors:** K. Tharrington

The Master's degree in Foreign Languages and Literature offers concentrations in both French Language and Literature and Spanish Language and Literature.

Admission Requirements:

- A baccalaureate degree from an accredited college or university
- Undergraduate GPA of 3.0 or above
- Narrative statement of professional and personal objectives (in English, 300 words).
- Language proficiency as determined by a writing sample and a speaking sample in the target language (French or Spanish). Follow the specific sample guidelines at https://fll.chass.ncsu.edu/graduate/application_information.php#Sample
- Some applicants may be given provisional admittance. Students admitted provisionally must complete at least 9 hours of 500-level courses in the target language, earning grades of B or higher in order to receive full graduate standing.
- Visit the program's web site (<http://fll.chass.ncsu.edu/graduate>) for complete admissions information.

Degree Requirements: The program requires at least 30 hours of course work and a culminating project. Each student's program is tailored to enhance his or her career objectives. Students who plan to pursue a Ph.D. or teach in a community college or university receive the requisite training and assistance. K-12 teachers who already have "Initial" or "A" licensure may earn "M" licensure by taking 30 hours in specified disciplines and completing an Action Research Project as their culminating project. K-12 teachers who already hold "A" licensure can add-on English as a Second Language (ESL) licensure by taking 36 hours in specified disciplines. Visit the program web site for complete departmental course requirement information (https://fll.chass.ncsu.edu/graduate/plans_of_study.php).

Student Financial Support: Graduate assistantships are available to students in both the French and Spanish concentrations and are awarded by open competition and based on the strength of the admissions application.

Other Relevant Information: Students are admitted for the fall semester only. February 1 is the application deadline for students interested in receiving full consideration for a teaching assistantship. (Interest is indicated on the Graduate School Admissions application.) February 15 is the deadline for international students and May 1 for domestic students.

Click on [Graduate Courses - General](#) for current course information.

Click on [Graduate Courses - French](#) for current course information.

Click on [Graduate Courses - Spanish](#) for current course information.

[NCSU Graduate Catalog](#)

Forest Biomaterials

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Forest Biomaterials	Y			Y		Y		

GRADUATE FACULTY

M. J. Hakovirta, *Department Head*

Director of Graduate Programs:

J. J. Pawlak, Box 8005, 919/513-0511, jjpawlak@ncsu.edu, Forest Biomaterials

Named Professors: A. M. Grunden, M. A. Hubbe, H. Jameel, S. A. Khan; **Named Distinguished Professors:** V. C. Chiang; **Professors:** D. S. Argyropoulos, M. J. Hakovirta, S. S. Kelley, A. G. Kirkman, E. O. Sills, D. C. Tilotta, R. A. Venditti; **Adjunct Professors:** R. B. Phillips, O. J. Rojas; **Emeritus Professors:** H. Chang, E. B. Cowling, E. L. Deal, E. L. Ellwood, I. S. Goldstein, J. A. Heitmann, L. G. Jahn, M. J. Kocurek, H. G. Olf, R. G. Pearson, R. J. Thomas, E. A. Wheeler; **Associate Professors:** L. A. Lucia, P. H. Mitchell, L. Pal, S. Park, J. J. Pawlak, P. N. Peralta, I. M. Peszlen, D. E. Saloni; **Research Associate Professors:** R. W. Kays; **Associate Professors of the Practice:** S. Dasmohapatra; **Adjunct Associate Professors:** E. A. Capanema, P. W. Hart; **Assistant Professors:** R. W. Gonzalez, Y. Yao; **Adjunct Assistant Professors:** A. Ayoub; **Teaching Professors:** S. D. Jackson; **Teaching Associate Professors:** M. V. Byrd

Course offerings and research facilities are available in the following areas: wood chemistry, biopolymer chemistry, biomaterials, bio-energy, pulping chemistry, process analysis, polymer chemistry, paper physics, paper recycling, wood physics (especially wood liquid relations), wood anatomy, wood biology, wood mechanics and engineering, wood machining, manufacturing processes, wood-based industry economics and marketing, and forest-based life cycle analysis.

Admission Requirements: Requirements listed here are in addition to graduate school requirements stated elsewhere. To be admitted, a student should have earned a B.S. degree with a major in wood and paper science or another suitable science or engineering degree. Students with a 3.0 GPA and with appropriate course backgrounds will be considered for admission. The GRE test scores are required except for the Master of Forest Biomaterials offered through Distance Education.

Master of Science Degree Requirements: The M.S. degree requires a minimum of 30 credit hours. In addition, there are WPS core course requirements, which vary depending on the field of study. Six hours of research (WPS 695) must be taken. Two hours of Seminar (WPS 591) must be passed. A qualifying exam must be passed.

Master of Forest Biomaterials Degree Requirements: The Master of Forest Biomaterials is a non-thesis, professional degree for students not interested in a thesis-based research program. The Master of Forest Biomaterials degree is offered both on campus and through Distance Education. For the on-campus program a minimum of 36 course credits is required. The regulations regarding credits are the same as for the M.S. degree except that no credit for WPS 695 is required or given and up to six credits of 400-level courses in the major field may be included. A technical report, which demonstrates the student's ability to gather, analyze and report information is required.

In addition to Graduate School requirements, the Distance Education program requires that the student be employed professionally in a wood or paper science or allied field, have one year of professional experience, and take required WPS core courses, which vary depending on the field of study. A minimum of 30 course credits is required of students who have relevant professional experience, including one hour of Seminar (WPS 591) and five hours of an independent project (WPS 625). For distance students without relevant professional experience, 36 hours is required.

Doctoral Degree Requirements: In addition to Graduate School requirements, Ph.D. candidates must present two departmental seminars (WPS 791) before their final oral examination. Candidates must also write and defend a research proposal on their intended research (first proposition) and a research proposal on an area outside of their dissertation/thesis research (termed a second proposition) and pass qualifying exams.

Student Financial Support: A number of research assistantships and fellowships are available.

Other Relevant Information: Graduate students should select a committee chair and other advisory committee members and submit a plan of graduate work by the end of their first semester of residence. They are also required to take the qualifying examination as part of a Research Methods course. These examinations are to ensure that the student has the basic abilities to think independently as a scientist within the context of the forest biomaterials literature. The department believes M.S. and Ph.D. students should select a research topic and begin their dissertation or thesis research as early as possible.

As the field of forest biomaterials is a derived science, students are urged to develop a strong secondary area of excellence in one or more of the supporting disciplines such as organic chemistry, polymer chemistry, chemical engineering, mathematics, statistics, biology, engineering mechanics, mechanical engineering, physics, and economics or business administration.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Forestry and Environmental Resources

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Forestry and Environmental Resources	Y			Y		Y		

GRADUATE FACULTY

S. T. Gower, *Department Head*

Director of Graduate Programs:

T. H. Shear, Box 8008, 919/515-7794, ted_shear@ncsu.edu, Forestry and Environmental Resources

Named Professors: R. C. Abt; **Named Distinguished Professors:** V. C. Chiang; **Professors:** V. P. Aneja, R. E. Bardon, R. R. Braham, F. W. Cabbage, C. S. DePerno, J. Frampton, D. J. Frederick, B. Goldfarb, S. T. Gower, G. R. Hess, G. R. Hodge, F. Isik, J. B. Jett, S. Khorram, J. S. King, Y. Leung, B. Li, S. E. McKeand, R. K. Meentemeyer, C. E. Moorman, S. C. Nelson, E. G. Nichols, D. L. Osmond, M. N. Peterson, J. P. Roise, R. M. Scheller, E. O. Sills, M. Watzin, R. W. Whetten; **Research Professors:** M. D. Lowman; **USDA Professors:** F. E. Bridgwater, J. B. Holland, S. G. McNulty, G. Sun; **USDI Professors:** T. R. Simons; **Adjunct Professors:** K. L. Abt, H. E. Burkhardt, C. H. Greenberg, T. P. Holmes, J. P. McTague, D. E. Mercer, L. S. Mills, U. J. Nilsson, M. Olsson, J. P. Prestemon, R. C. Purnell, K. H. Riitters, T. A. Steelman, C. Trettin, J. M. Vose, D. N. Wear; **Emeritus Professors:** H. L. Allen, A. W. Cooper, E. B. Cowling, H. A. Devine, P. D. Doerr, W. S. Dvorak, E. C. Franklin, J. D. Gregory, F. P. Hain, A. E. Hassan, L. E. Hinesley, J. B. Jett, R. C. Kellison, R. A. Lancia, L. A. Nielsen, E. A. Wheeler; **Emeritus Distinguished Professors:** S. W. Buol, R. R. Sederoff; **Associate Professors:** G. B. Blank, J. A. Delborne, R. E. Emanuel, D. W. Hazel, M. V. Katti, D. B. Morais, E. L. Seekamp, T. H. Shear; **Research Associate Professors:** C. B. Cooper, R. M. Jetton, R. W. Kays, K. M. Potter; **Adjunct Associate Professors:** D. M. Amatya, P. J. Donoso, W. G. Dorgeloh, A. L. James, F. H. Koch Jr, M. Lstiburek, R. A. Rubilar, S. J. Van Bloem; **Emeritus Associate Professors:** H. V. Amerson, S. T. Warren; **Assistant Professors:** M. L. Ardon Sayao, R. L. Cook, J. A. Forrester, J. M. Gray, Z. H. Leggett, K. Martin, J. K. Pacifici, R. Parajuli, L. Rivers, J. P. Wang; **Research Assistant Professors:** J. J. Acosta, J. K. Costanza, P. Nepal; **Adjunct Assistant Professors:** P. V. Caldwell, J. W. Coulston, W. P. Cumbie, G. E. Frey, E. F. Hain, J. S. Iames, K. A. Mcginley, M. C. Moorman, C. Serenari, J. W. Smith, Y. Takeuchi; **Extension Professors:** M. A. Megalos; **Teaching Associate Professors:** J. B. McCarter, L. B. Pacifici; **Teaching Assistant Professors:** E. S. Money; **Lecturers:** W. G. Dorgeloh

The department offers training in all of the major sub-disciplines of forest, natural resources, and environmental-related science and management. Considerable flexibility is allowed in developing graduate programs tailored to the student's objectives.

Admission Requirements: All parts of the application, including the GRE general test, are considered in making decisions. Admission is competitive and depends on the willingness of at least one member of the faculty to serve as major professor. An undergraduate degree in forestry is not required.

Master's Degree Requirements: The Master of Forestry is now accredited by the Society of American Foresters. It requires 40 credits, with a 1 credit project. The Master of Science course work requirements range from 30 to 36 credits. Students without an appropriate background will require additional preparatory work. For the M.S. degree, a minor is required.

Doctoral Degree Requirements: As a rule, students must complete a master's degree before entering the Ph.D. program. However, exceptionally well-prepared students may petition to have their degree objective changed to Ph.D. before completing the master's degree. In addition to the dissertation, Ph.D. programs require 36 to 54 credits of course work beyond the master's degree. A minor is required.

Student Financial Support: Stipend levels allow students to graduate without incurring significant debt. Those who begin without an assistantship are considered for funding as projects become available. Additional funding is available through a limited number of teaching assistantships.

Other Relevant Information: MS and PhD graduate students must meet the following requirements: (1) take a one-credit research methodology course, FOR 603 or 803, early in his/her program; (2) take a seminar course (typically FOR 601/801), and (3) begin the final oral exam with a seminar to the department based on work accomplished during the graduate program.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Genetics

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Genetics	Y			Y		Y		

GRADUATE FACULTY

Director of Graduate Programs:

R. B. Roberts, Box 7614, reade_roberts@ncsu.edu, Biological Sciences

Named Professors: J. M. Alonso, R. E. Dewey, J. B. Ristaino, B. M. Wiegmann; **Named Distinguished Professors:** R. R. Anholt, V. C. Chiang, R. A. Dean, F. L. Gould, L. K. Hanley-Bowdoin, C. J. Schal, Z. Zeng; **Named Distinguished University Professors:** T. F. MacKay; **Distinguished University Professors:** M. M. Goodman, W. F. Thompson; **Professors:** M. Breen, I. Carbone, R. G. Franks, J. R. Godwin, C. H. Haigler, F. Isik, R. S. Lewis, H. Liu, J. W. Mahaffey, K. M. Meurs, S. V. Muse, N. J. Olby, M. J. Scott, S. M. Sullivant, J. L. Thorne, J. Tzeng, K. R. Weninger, Q. Xiang; **USDA Professors:** J. B. Holland; **Adjunct Professors:** R. E. Cannon, E. A. Stone, D. W. Threadgill; **Emeritus Named Professors:** W. F. Boss, E. Eisen; **Emeritus Professors:** S. E. Curtis, W. E. Kloos, D. F. Matzinger, W. H. McKenzie, J. G. Scandalios, H. E. Schaffer; **Emeritus Named Distinguished Professors:** W. R. Atchley, C. S. Levings, E. A. Wernsman; **Emeritus Named Distinguished University Professors:** T. R. Klaenhammer; **Emeritus Distinguished Professors:** R. R. Sederoff; **Associate Professors:** R. Barrangou, C. Beisel, G. C. Conant, T. Ghashghaei, S. Heber, V. Kuraparthi, R. B. Langerhans, T. A. Long, M. D. Lorenzen, C. Maltecca, S. R. Milla-Lewis, A. A. Motsinger-Reif, D. M. Nielsen, X. Peng, M. Pierce, D. M. Reif, M. L. Sikes, J. A. Yoder; **Research Associate Professors:** P. A. Estes; **USDA Associate Professors:** P. J. Balint-Kurti; **Emeritus USDA Professors:** C. W. Stuber; **Adjunct Associate Professors:** W. O. McMillan, N. Singh; **Assistant Professors:** H. Ashrafi, D. L. Aylor, M. A. Cowley, J. R. Elfenbein, R. Ke, A. J. Keung, C. Laplante, K. Marsden, L. A. McGraw, S. K. Mishra, F. M. Mowat, C. C. Nestor, A. J. Planchart, G. T. Reeves, M. H. Reiskind, R. B. Roberts, A. San Miguel Delgadillo, R. Sozzani, A. N. Stepanova, C. M. Theriot; **Research Assistant Professors:** M. A. Carbone, M. B. Reiskind, Y. Zhou; **USDA Assistant Professors:** A. M. Hulse-Kemp; **Adjunct Assistant Professors:** R. E. Cannon; **Teaching Professors:** M. B. Gardner; **Teaching Assistant Professors:** C. L. Gordy, C. J. Halweg, W. M. Jones, J. Little

The Genetics Graduate Program is a University wide program. Current faculty are in 14 Departments and four Colleges. The Genetics Program provides a well-balanced program of graduate course work and research training. The faculty conducts basic research in all areas of genetics, including molecular, cellular and developmental genetics; behavioral genetics, biomedical genetics, evolutionary, population and quantitative genetics, statistical genetics, and bioinformatics. Faculty research utilizes both traditional model organisms (fruit flies, mice and Arabidopsis) and non-traditional systems (cats, cockroaches, dairy cattle, dogs, maize, pigs, pine trees and more). Interdisciplinary research is encouraged.

Admission Requirements: Applicants may come from a number of undergraduate programs that include biological, agricultural, physical and mathematical science training. All applications are screened by an admissions committee, and the best qualified applicants will be accepted up to the number of spaces that are available for new students. The program uses the requirements set by the Graduate School to evaluate applications (GRE, unofficial transcripts from each previously attended college or university, three letters of recommendation, personal statement, and proof of English proficiency for non-US citizens). Competitive applicants will have strong percentile scores in all categories and have scored above the 85th percentile in the Quantitative portion of the exam. Competitive applicants will also include research and other relevant experience as well as their interest and fit for the program in their personal statement.

Master's Degree Requirements: The M.S. degree requires a minimum of 30 credit hours, of which 14 hours are core course requirements, three hours are additional elective graduate courses with substantial genetics content, and three hours are other elective graduate courses. M.S. students majoring in Genetics are required to complete dissertation

research with three credit hours of Master's Supervised Research, six credits of Master's Thesis Research, one credit of Master's Thesis Prep, and one credit of Master's Examination. M.S. students are also required to teach one semester of undergraduate courses and may enroll in three credits of Master's Supervised Teaching. 12 hours of required courses are required for Genetics minors. The Master's of Genetics requires a minimum of 31 credit hours, of which 17 hours are core course requirements, six hours are additional elective genetics courses and eight hours are elective graduate courses.

Doctoral Degree Requirements: A total of 18 hours of seven core courses and 12 hours of elective graduate courses, nine of which have substantial genetics content, is required of all majors. Ph.D. students majoring in Genetics are required to complete dissertation research with three credit hours of Doctoral Supervised Research and a combination of Doctoral Dissertation Research, Doctoral Preliminary Examination, and Doctoral Dissertation Prep to total 39 hours. Students are also required to and teach two semesters of undergraduate courses and may enroll in six credits of Doctoral Supervised Teaching to be used toward the remaining 39 credit hours. 12 hours of required courses are required for Genetics minors.

Student Financial Support: Genetics graduate students are supported on Research and Teaching Assistantships (RAs and TAs). Specific pay varies depending on the assistantship, and students are paid bi-weekly. More information will be provided at the time of acceptance into the program.

Other Relevant Information: All M. S. and Ph. D. students rotate through three laboratories during their first semester. At the end of the semester, they choose a laboratory for their research activities consistent with their interests and available research projects. Provisions are available for a co-major and collaborative research in more than one laboratory.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Genomic Sciences

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Bioinformatics	Y					Y		
Functional Genomics	Y			Y		Y		

GRADUATE FACULTY

Directors of Graduate Programs:

D. M. Bird, Box 7253, 919/515-1967, david_bird@ncsu.edu, Entomology and Plant Pathology

S. V. Muse, Box 7566, 919/515-1948, muse@ncsu.edu, Statistics

Named Professors: J. M. Alonso, D. M. Bird, M. Davidian, R. E. Dewey, A. M. Grunden, R. M. Kelly, J. B. Ristaino, A. A. Tsiatis, B. M. Wiegmann, G. C. Yencho; ***Named Distinguished Professors:*** R. R. Anholt, R. S. Boston, V. C. Chiang, M. E. Daub, R. A. Dean, J. Doyle, L. K. Hanley-Bowdoin, S. Lommel, J. Odle, Z. Zeng; ***Named Distinguished University Professors:*** T. F. MacKay; ***Distinguished Professors:*** M. A. Vouk; ***Distinguished University Professors:*** D. L. Bitzer, M. M. Goodman, W. F. Thompson; ***Professors:*** K. B. Adler, P. Arasu, C. M. Ashwell, R. J. Borski, M. Breen, E. B. Breitschwerdt, D. T. Brown, J. W. Brown, I. Carbone, G. A. Dean, C. E. Farin, R. G. Franks, F. J. Fuller, J. E. Gadsby, S. K. Ghosh, J. R. Godwin, B. Goldfarb, J. M. Haugh, C. L. Hemenway, J. M. Horowitz, J. M. Hughes-Oliver, E. L. Kaltoven, S. Kathariou, J. A. Knopp, B. Li, H. Liu, J. W. Mahaffey, E. S. Maxwell, S. E. McKeand, M. S. Merrill, E. S. Miller, P. E. Mozdziak, D. C. Muddiman, S. V. Muse, C. H. Opperman, J. N. Petite, R. M. Petters, J. A. Piedrahita, M. C. Sagui, H. A. Sederoff, B. Sherry, R. C. Smart, S. M. Sullivant, J. L. Thorne, J. Tzeng, R. W. Whetten, P. L. Wollenzien, F. A. Wright, Q. Xiang, D. Xie, D. Zhang; ***Research Professors:*** J. Cavanagh; ***USDA Professors:*** J. B. Holland; ***Adjunct Professors:*** J. Cavanagh, J. L. Gibson, E. A. Koutsos, M. S. McGinnis, E. A. Stone, R. D. Wolfinger; ***Emeritus Named Professors:*** W. F. Boss, E. Eisen; ***Emeritus Professors:*** S. D. Clouse, S. E. Curtis, D. H. Ley, J. W. Moyer, P. E. Orndorff, W. Tompkins; ***Emeritus Named Distinguished Professors:*** W. R. Atchley, G. A. Payne; ***Emeritus Named Distinguished University Professors:*** T. R. Klaenhammer; ***Emeritus Distinguished Professors:*** R. R. Sederoff; ***Associate Professors:*** R. Barrangou, J. M. Bruno-Barcena, G. C. Conant, M. B. Goshe, S. Heber, C. Hoyo, M. D. Koci, S. Komarnytsky, D. S. Lalush, X. Li, T. A. Long, A. Maity, C. Maltecca, F. Meilleur, A. A. Motsinger-Reif, N. M. Nascone-Yoder, D. M. Nielsen, J. W. Olson, X. Peng, M. Pierce, B. J. Reich, D. M. Reif, M. Rodriguez-Puebla, M. L. Sikes, C. E. Smith, L. J. Unruh Snyder, J. A. Yoder; ***Research Associate Professors:*** P. A. Estes; ***Adjunct Associate Professors:*** L. Li, W. O. McMillan, N. Singh; ***Emeritus Associate Professors:*** H. V. Amerson; ***Assistant Professors:*** H. Ashrafi, D. L. Aylor, C. J. Doherty, D. Fourches, T. Hsieh, M. Iorizzo, C. C. Nestor, B. J. Reading, R. Sozzani, A. N. Stepanova; ***Research Assistant Professors:*** Y. Zhou; ***USDA Assistant Professors:*** A. M. Hulse-Kemp, I. M. Perez Diaz; ***Adjunct Assistant Professors:*** J. L. Stephenson; ***Teaching Associate Professors:*** J. L. Lubischer; ***Teaching Assistant Professors:*** A. Y. Scales

Genomic sciences has two components. Functional genomics, the generation of large bodies of data relating to organism function, encompasses gene discovery, gene expression, protein and nucleic acid structure and function, gene and gene product interactions, and genomic approaches to breeding and comparative studies relevant to ecology and evolutionary biology. Bioinformatics is the analysis of these vast and complex data sets including methods to analyze extremely large sets of genomic information such as DNA sequences and expression from DNA microarrays. Students register in either of these two fields but also receive a solid grounding in the other through core courses common to both programs. Unique and exceptional resources include the [Bioinformatics Research Center](#) and the [Genome Research Laboratory](#).

Admission Requirements: Students should have an undergraduate major in the biological or physical sciences, mathematics, statistics or computer science and have completed calculus and other comparable courses. In addition to the other application requirements, a student should submit a statement of interests and career goals.

Master's Degree Requirements: Students take a 15-credit core curriculum of courses common to both programs followed by courses specific to the degree and discipline. The Master's of Bioinformatics requires a minimum of 33 credit hours. The Master's of Functional Genomics requires a minimum of 30 credit hours, and the Master's of Science in Functional Genomics requires a minimum of 36 credit hours.

Doctoral Degree Requirements: The Ph.D. program requires a total of 72 credits, and all students participate in a journal club, monthly seminar series and research ethics training. A co-mentoring system exists between bioinformatics and functional genomics through which each student has advisors from both disciplines. Throughout the program they will have the opportunity to gain practical experience in the Genome Research Laboratory, Bioinformatics Research Center and DNA Sequencing Facility.

Student Financial Support: A significant number of fellowships are available through the genomics program, and students may also be supported by research grant funds awarded to genomics faculty members.

GRADUATE COURSES

Many courses are available and cross-listed through 25 participating departments in the Colleges of Agriculture & Life Sciences, Engineering, Natural Resources, Physical & Mathematical Sciences, and Veterinary Medicine.

[NCSU Graduate Catalog](#)

Geospatial Analytics

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
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GRADUATE FACULTY

The PhD in Geospatial Analytics is an integrative program bringing together the Center for Geospatial Analytics (CGA) with departments from across NC State to produce a new generation of interdisciplinary data scientists skilled in developing novel understanding of spatial phenomena. The program connects students with mentors and peers across multiple disciplines and provides scientific and professional knowledge through practicing geospatial analytics in academia, industry, and government agencies. The program consists of (1) multidisciplinary advising, (2) an intense core curriculum that covers advanced theory in the geospatial sciences along with specialized training in the quantitative, algorithmic, and systems aspect of geospatial computing, information technology, applications, and analytics, in combination with domain research and coursework, (3) an internship experience, and (4) a complete dissertation that advances the field of geospatial science, GIS, and geospatial analytics.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Geospatial Information Science and Technology

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Geospatial Information Science and Technology						Y		

GRADUATE FACULTY

Director of Graduate Programs:

E. S. Money, Box 7106, esmoney@ncsu.edu, Ctr. for Geospatial Analytics

Professors: E. H. Bressler, D. A. Crouse, G. D. Garson, C. G. Healey, R. W. Heiniger, G. R. Hess, S. Khorram, H. Krim, D. K. Larick, Y. Leung, J. F. Levine, R. K. Meentemeyer, H. Mitsova, S. C. Nelson, M. F. Overton, W. J. Rasdorf, A. R. Rice, R. A. St. Amant, H. J. Trussell, S. E. Yuter; **USDI Professors:** T. J. Kwak; **Emeritus Professors:** H. A. Devine; **Associate Professors:** D. R. Bohnenstiehl, G. T. Roberson, W. R. Smith, R. R. Vatsavai, K. W. Wegmann, J. G. White, S. B. Wiley; **Research Associate Professors:** P. K. Baran, R. W. Kays; **Adjunct Associate Professors:** F. H. Koch Jr; **Emeritus Associate Professors:** M. L. Vasu; **Assistant Professors:** J. M. Gray, J. Vukomanovic; **Adjunct Assistant Professors:** J. W. Coulston, E. F. Hain, E. L. Hestir, M. R. Loomis, J. W. Smith; **Teaching Associate Professors:** J. B. McCarter; **Teaching Assistant Professors:** E. S. Money, S. K. Supak, L. G. Tateosian

The Master of Geospatial Information Science and Technology (MGIST) equips students with the necessary knowledge and tools to become high-end geospatial professionals using a unique curriculum that leverages NC State's strengths in computational and data sciences, information technology, and interdisciplinary training in combination with professional skills development in areas of project management, technical writing, and communications. The **MGIST can be completed entirely online**, allowing flexibility for both students just entering the work force and working professionals.

Through a combination of geospatial theory, hands-on applications, and client-based service-learning experiences, students graduate from the program with a solid foundation to provide a wide range of geospatial expertise for local, state, national, and international organizations.

Admissions Requirements: Admission to the program requires an undergraduate GPA of 3.0 or better, a professional resume, a personal statement describing the applicant's professional ambitions and experience, and 3 letters of reference. Students with less than a 3.0 undergraduate GPA may be considered for provisional admission into the MGIST or referred to the [GIS Certificate](#) program to enhance skills and prepare for reapplication to the MGIST.

Master's Degree Requirements: The MGIST degree requires 33 course credit hours including a 3-credit-hour Capstone course and development of a professional portfolio highlighting geospatial analytic skills and competencies. A cumulative GPA of 3.0 or better is required in order to graduate. Specific course requirements are listed on the MGIST web site.

Student Financial Support: Students in this program are eligible for financial aid and may compete for program assistantships and internships.

Other Relevant Information: The GIS program also offers a [Graduate Certificate in GIS](#) (12 credit hours). Certificate students may transfer up to 12 credits into the MGIST degree. Students enrolled in other NC State graduate programs may enroll in the Certificate program or in either of the two related minors ([GIS](#) or [Environmental Remote Sensing](#)).

[NCSU Graduate Catalog](#)

Graphic Design

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Graphic Design						Y		

GRADUATE FACULTY

T. Liu, *Department Head*

Director of Graduate Programs:

D. Gonzales Crisp, Box 7701, 919/515-8361, denise_crisp@ncsu.edu, Graphic and Industrial Design

Professors: D. Gonzales Crisp, H. Holljes, T. Liu; ***Emeritus Professors:*** M. J. Davis, A. S. Lowrey; ***Associate Professors:*** H. S. Armstrong, K. L. Bailey, R. A. Flinchum, C. Gill, S. Townsend; ***Assistant Professors:*** D. A. Ham, D. K. Littlejohn, M. O. Peterson, K. A. Umstead

Today's design problems are complex, require systems-oriented thinking, and call for new problem-solving paradigms. The contemporary culture is participatory, arguing for greater user influence and the design of tools and systems through which people create their own experiences. Rapid technological evolution challenges the traditional "almost perfect" goal of design, accepting that design will arise from an organic approach to problem solving, not a mechanistic one. And designers are increasingly accountable for anticipating the outcomes of design decisions with real people and need research skills to forecast changes in the surrounding context.

Studios and seminars in the Master of Graphic Design program explore the implications of thinking about user experience and research from these perspectives. Student work invites dialogue through the propositional artifacts and systems that students design.

At the same time, the Master of Graphic Design is not a fine arts program. Student work must convince thought leaders that new ideas about communication can live in the world of professional design practice and add value to people's lives. To make that argument, it must be informed by deep understanding of people, activities, and settings and its effects must be nested within larger physical, cultural, social, and technological systems. The program acquaints students with methods for studying these things and for describing them to audiences outside of design. The program has the broad objective to educate socially responsible, intellectually curious, historically aware, and technologically adept communication design professionals.

Admissions Requirements: Applications for Priority Admission are due to the Department of Graphic Design and Industrial Design by January 5. Applications are reviewed until all seats are filled. In addition to Graduate School requirements, the Department asks for department personal data forms, a written statement of intent, and a website or accessible online PDF portfolio—designed specifically for application to the program—that demonstrates experience and skills in visual communication.

MGD II Track: Applicants whose first degree is a BFA (or BGD) in graphic design should apply to the MGD II program. The applicant ideally will have worked in professional practice for at least one year, however recent BFA graduates will be considered.

MGD III Track: Applicants whose first degree is not in graphic design but who have some graphic design experience should apply to the MGD III program. Applicants who have earned a BA or BS (rather than a BFA) in visual art or design will be considered for the MGD III program. This initial year in advanced graphic design practices prepares candidates for the MGD II curriculum, and therefore the portfolio submitted should demonstrate sufficient experience to undertake upper-level undergraduate coursework and preparatory graduate work. In the statement of intent, applicants

should describe a research connection between the first discipline and the intended graduate graphic design study. MGD III applicants are required to supply GRE scores.

Master's Degree (MGD II) Requirements: The Master of Graphic Design degree requires a minimum of 48 credit hours. The program does not accept transfer credits in lieu of required coursework at NC State.

Student Financial Support: The department has limited provisions for tuition remission and assistantships. Assistantships are awarded on the basis of student and departmental needs, student GPA, and pertinent work experience. Assistantship requests should be made to the Department Head of Graphic Design and Industrial Design, and should be submitted with the application for admission (for incoming students) or by advertised deadline (for continuing students).

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

History

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
History					Y			
Public History	Y				Y			

GRADUATE FACULTY

D. A. Zonderman, *Department Head*

Directors of Graduate Programs:

B. S. Sirota, Box 8108, 773/484-9418, bssirota@ncsu.edu, History

T. S. Gordon, Box 8108, tsgordo2@ncsu.edu, History

Named Professors: D. P. Gilmartin; **Distinguished University Professors:** W. Adler; **Professors:** R. K. Bassett, C. T. Friend, O. J. Kalinga, A. F. Khater, M. G. Kim, K. P. Luria, A. W. Mitchell, S. T. Parker, J. E. Rudolph, R. W. Slatta, K. S. Vincent, D. A. Zonderman; **Emeritus Professors:** J. E. Crisp, M. S. Downs, J. M. Riddle, S. L. Spencer, K. P. Vickery; **Associate Professors:** D. R. Ambaras, M. M. Booker, T. S. Gordon, B. M. Kelley, W. C. Kimler, S. M. Lee, J. L. Mell, K. Mellen Charron, B. S. Sirota, N. B. Strote; **Emeritus Associate Professors:** G. Surh; **Assistant Professors:** M. L. Cherry, F. Freitas, E. P. Jones, V. I. Kasper-Marienberg, J. Kertesz, A. E. McGill, T. S. Paulette; **Adjunct Assistant Professors:** J. W. Caddell; **Teaching Associate Professors:** S. B. Freitag, N. A. Robins; **Teaching Assistant Professors:** J. C. Boyles, H. C. Perros

Admission Requirements: Admission to the M.A. in History and Public History and Ph.D. in Public History programs require: a bachelor's degree from an accredited college or university; transcripts; scores from the Graduate Record Exam (GRE); personal statement, listing career goals, historical interests, and potential advisor; letters of recommendation; and a writing sample of approximately ten pages. See the program's website (<http://history.chass.ncsu.edu/grad/apply.php>) for additional details.

Master's Degree Requirements: *Master of Arts Degree in History:* This program requires a total of 30 credit hours, including 6 hours in core courses, 12 credit hours in a major field, 6 credit hours in a minor field, and 6 credit hours in thesis work. Each student's program is tailored to enhance his or her career objectives. Social studies teachers, for example, may earn advanced competency on completion of the M.A. in history with additional course work in education. Similarly, students who plan to pursue a Ph.D. degree receive the requisite training and assistance. *Master of Arts Degree in Public History:* This program requires 36 credit hours of course work. Students may take a non-thesis or thesis option. Half the hours fall in historical studies, the rest in applied history classes, including innovative courses in museum studies and heritage studies. Students perform internships in their own special areas of interest.

Doctoral Degree Requirements: The Ph.D. program in Public History requires 72 credit hours. Students complete 21 credit hours in a public history field, including an internship; 21 credit hours in a history field; 6 credit hours in an outside field; and 24 credit hours of dissertation work.

Student Financial Support: Graduate teaching assistantships are available to students in all programs and are awarded by open competition.

Other Relevant Information: The application deadline for fall semester is January 15; students are admitted for the fall semester only.

Click on [Graduate Courses](#) for current course information.

Horticultural Science

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Horticultural Science	Y			Y		Y		

GRADUATE FACULTY

Directors of Graduate Programs:

C. Gunter, Box 7609, chris_gunter@ncsu.edu, Horticultural Science

H. T. Kraus, Box 7609, 919/515-1208, helen_kraus@ncsu.edu, Horticultural Science

Named Professors: M. D. Boyette, G. C. Yencho; **Named Distinguished Professors:** N. G. Creamer, D. J. Werner; **Professors:** W. G. Buhler, J. M. Dole, G. E. Fernandez, W. C. Fonteno, J. L. Kornegay, D. W. Monks, J. C. Neal, P. M. Perkins-Veazie, T. G. Ranney, J. R. Schultheis, T. C. Wehner, B. E. Whipker, F. H. Yelverton, E. Young; **Adjunct Professors:** J. L. Gibson, M. S. McGinnis, P. S. Zorner; **Emeritus Professors:** W. E. Ballinger, T. E. Bilderback, S. D. Clouse, A. A. DeHertogh, P. R. Fantz, R. G. Gardner, W. R. Henderson, L. E. Hinesley, W. E. Hooker, T. R. Konsler, C. M. Mainland, T. J. Monaco, P. V. Nelson, E. B. Poling, M. A. Powell, W. A. Skroch, S. E. Spayd, C. R. Unrath, L. G. Wilson; **Associate Professors:** L. K. Bradley, J. D. Burton, J. M. Davis, B. Fair, C. Gunter, B. E. Jackson, K. M. Jennings, H. T. Kraus, A. V. Lebude, D. R. Panthee, M. L. Parker, J. T. Sherk, A. M. Spafford; **Research Associate Professors:** D. G. Seth Carley; **Emeritus Research Associate Professors:** G. C. Allen; **Adjunct Associate Professors:** J. S. Owen; **Emeritus Associate Professors:** J. D. Williamson; **Assistant Professors:** H. Ashrafi, J. D. Bloom, R. Hernandez, M. Hoffmann, M. Iorizzo, T. M. Kon, W. Liu; **Research Assistant Professors:** R. D. Dunning; **Adjunct Assistant Professors:** G. Gusmini

The NC State Horticultural Science Graduate Program offers one of the most comprehensive programs in the country – providing students with a broad selection of courses and projects ranging from applied industry-oriented studies to molecular biology. Studies may focus on commodity areas such as floriculture, ornamental and landscape horticulture, pomology (fruit crops) and olericulture (vegetables) or on cross-commodity topics such as plant physiology, breeding and genetics, genomics, herbicide physiology and weed control, nutrition, propagation, tissue culture, growth regulators, sustainable agriculture, postharvest physiology, and controlled environments.

Admission Requirements: To be admitted, a student should have completed course work in mathematics, chemistry (inorganic and organic), genetics, genomics/bioformatics, plant physiology, and several courses in horticulture, agronomy and/or botany (plant biology). Priority is given to students who have also completed courses in biochemistry, plant pathology, entomology, soil science, cellular and molecular biology, statistics and physics. An applicant deficient in course work may be admitted on a provisional basis until the deficiency is made up. Applicants must provide the basic Graduate Record Examination (GRE) scores, Test of English as a Foreign Language (TOEFL) scores (applicants from non-English speaking countries), three letters of reference, copy of transcript for each prior degree, statement of career goals, and current resume or CV.

Master's Degree Requirements: The Master of Science (M.S.) degree is a research-oriented degree requiring 30 credit hours and a written thesis. Four one-credit core courses, statistical courses, ST 511 and ST 512 or their equivalent, and two credits of HS 601 must be completed. Up to 6 of the 30 credits may be research credits (HS 695). At least 20 semester hours must be 500, 600 or 700 level courses, and 6 of these credits must be at the 700 level. In addition, at least 18 credit hours must be from letter-graded courses.

For students wishing a more general educational background in horticultural science without the thesis requirement, the Master of Horticultural Science (M.H.S.) degree is offered. The M.H.S. requires 36 credit hours. Eighteen (18) credits must be at the 500-700 level. Two credits of HS 601 are required. Two statistical courses, ST 511 and ST 512 or their equivalent, unless waived by the student's advisory committee and Director of Graduate Programs. Up to 12 hours of

400-level courses can be taken as a part of the M.H.S. program, however, only six hours of HS 400-level courses are allowed. (The NCSU Graduate School does not allow any 400-level courses from the home department, but only requires 30 credit hours for a Master's degree. We require 36 credits, of which 6 credits can be HS 400-level courses. Permission from the NCSU Graduate School is required for HS 400-level courses.) Students are encouraged, but not required, to fulfill the four Horticultural Science core course requirement. The M.H.S degree is also available through Distance Education.

Doctoral Degree Requirements: The Ph.D. program is designed for individuals desiring to pursue careers in research and teaching. A minimum of 54 credit hours beyond the Master of Science program is required. Three credits of core courses and two credits of HS 601 are required, if not taken as part of a prior M.S. degree in the Department of Horticultural Science.

Student Financial Support: The department has a limited number of assistantships available on a competitive basis for promising students. The assistantship includes salary, tuition and health insurance as covered under the Graduate School's Graduate Student Support Plan. Applicants are considered for assistantship support at the time of application. Those interested should apply at least seven months prior to their anticipated enrollment date. Also, many faculty programs have research grant-funded assistantships; potential students should contact faculty directly for those programs of interest.

Other Relevant Information: Facilities for graduate studies include 40,500 square feet of greenhouse space on main campus and the nearby Horticultural Field Lab; the University Phytotron (available for controlled environmental studies on horticultural crops); 19 well-equipped laboratories; 14 controlled temperature storage rooms, an extensive collection of plant materials, both living and preserved; and a variety of climates and soils from coast to mountains in North Carolina on fifteen outlying research stations and three research farms. North Carolina has a dynamic horticulture industry, ranking among the top ten in many of the commodity areas.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Industrial Design

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Industrial Design						Y		

GRADUATE FACULTY

Director of Graduate Programs:

K. A. Umstead, Box 7701, kamyers2@ncsu.edu, Graphic and Industrial Design

Professors: C. D. Cox, H. Holljes, S. B. Joines, T. Liu; ***Emeritus Professors:*** V. Foote, C. E. Joyner, H. Khachatoorian;

Associate Professors: H. S. Armstrong, T. W. Buie, L. M. Diaz, P. J. Fitzgerald, C. Gill, P. R. Hooper, B. Jin, B. W. Laffitte; ***Emeritus Associate Professors:*** V. K. Plume, D. G. Raymond, S. M. Toplikar; ***Assistant Professors:*** D. A. Ham, M. O. Peterson, K. A. Umstead; ***Teaching Assistant Professors:*** W. Ginn

Industrial Design is the professional service of creating and developing concepts and specifications that optimize the value, function and appearance of products and product systems to the mutual benefit of both user and manufacturer. This service is often provided in the context of a cooperative working relationship with other members of a development group.

Typical groups include management, marketing, engineering and manufacturing specialists. Industrial designers place special emphasis on human characteristics, needs and interests. These require particular understanding of visual, tactile, safety and convenience criteria. Industrial designers combine these considerations with practical concern for technical processes and requirements for manufacture; marketing opportunities and economic constraints; and distribution, sales and servicing arrangements. Industrial designers are guided by the awareness of their obligations to protect and promote public safety and well-being; to respect the environment; and to observe ethical business practices. Augmenting transdisciplinary practices, emerging areas of industrial design include design research and experience design.

Graduates with a Master of Industrial Design have career opportunities in four general areas; corporate design offices in manufacturing companies, design consulting firms, governmental agencies and educational institutions.

Admissions Requirements: Students must make application to the Department of Graphic Design and Industrial Design by January 5. In addition to Graduate School requirements, the Department requires department personal data forms, a digital portfolio of design work, resume, and a statement of intent. The GRE is required for students whose first degree is not in Industrial Design.

Master's Requirements: The Master of Industrial Design degree requires a minimum of

- 48 credit hours for applications with a Bachelor's degree in Industrial Design (Track II), or
- 78 credit hours for applications with Bachelor's degrees in an area other than Industrial Design (Track III).

The program generally does not accept transfer credits in lieu of required coursework at NC State. Studio credits presented for elective transfer must be accompanied by a portfolio of work from the courses under consideration.

Student Financial Support: The Department has limited provisions for tuition remission and assistantships. Assistantships are awarded on the basis of student and departmental needs. Assistantship requests should be made to the Department of Graphic Design and Industrial Design and should be submitted with the application for admission (for incoming students) or by advertised deadline (for continuing students).

Click on [Graduate Courses](#) for current course information.

Industrial Engineering

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Industrial Engineering	Y			Y		Y		

GRADUATE FACULTY

J. L. Swann, *Department Head*

Directors of Graduate Programs:

M. G. Kay, Box 7906, 919/515-2008, kay@ncsu.edu, Industrial Engineering

Y. Fathi, Box 7906, 919/515-6417, fathi@ncsu.edu, Industrial Engineering

Named Professors: P. Cohen, S. Fang, R. E. King, R. A. Wysk; **Named Distinguished Professors:** R. Uzsoy; **Named Distinguished University Professors:** T. J. Hodgson; **Distinguished Professors:** O. A. Harrysson, J. L. Swann; **Professors:** G. D. Buckner, Y. Fathi, J. S. Ivy, D. B. Kaber, Y. Lee, L. A. Martin, M. E. Mayorga, R. J. Narayan, J. R. Wilson; **Adjunct Professors:** S. M. Hsiang, G. Kazemi Tutunchi, C. D. Rock; **Emeritus Named Professors:** A. L. Prak, S. D. Roberts; **Emeritus Professors:** M. A. Ayoub, R. H. Bernhard, T. Johnson, R. G. Pearson, W. A. Smith, R. E. Young; **Emeritus Distinguished Professors:** C. T. Culbreth Jr; **Associate Professors:** J. Dong, M. G. Kay, J. P. Lavelle, C. S. Nam, B. Starly, D. P. Warsing; **Research Associate Professors:** J. Taheri, H. A. West II; **Adjunct Associate Professors:** N. J. Currie, B. Denton, R. Stoll, A. R. Vila-Parrish; **Emeritus Associate Professors:** T. L. Honeycutt, E. Sanii; **Assistant Professors:** K. B. Chen, O. Y. Ozaltin, X. Xu; **Research Assistant Professors:** T. J. Horn; **Adjunct Assistant Professors:** S. S. Ahiska, J. E. Mason, M. Swangnetr, L. A. Tupler; **Teaching Professors:** S. D. Jackson, H. L. Nuttle; **Teaching Associate Professors:** K. T. Reynolds; **Lecturers:** M. R. Spano

The graduate faculty of the Edward P. Fitts Department of Industrial and Systems Engineering supports academic and research interests in four areas: (1) manufacturing systems (manufacturing processes, medical device manufacturing systems, CAM, CIM, robotics, automation, rapid prototyping and concurrent engineering); (2) production systems (logistics systems, supply chain management, scheduling, inventory control, materials handling, facility design, furniture manufacturing and management, quality control, and engineering economics); (3) systems analysis and optimization (health systems, stochastic processes, simulation, mathematical programming, and soft computing); and (4) ergonomics (human performance, occupational safety, and biomechanics). The department faculty actively supports independent graduate degree programs in operations research, integrated manufacturing systems engineering, textile technology and management, and financial mathematics.

Admission Requirements: Applications are accepted from undergraduate majors in engineering and in the behavioral, physical and mathematical sciences who meet prerequisites in calculus and linear algebra, computer science, and statistics.

Master's Degree Requirements: The M.S. degree requires 30 credit hours and involves depth of study in a specified area of concentration, nine hours in a minor, and six hours of research credit. The Master of Industrial Engineering (M.IE.) degree may be obtained by course work only; project work is optional. A minimum of 33 credit hours is required for the M.IE.

Doctoral Degree Requirements: This degree requires 72 credit hours of course and research work beyond the Bachelor's degree. Undergraduate students with superior credentials may apply directly to the doctoral program and bypass the master's degree. For students who have completed the Master's degree, typically 30 to 36 hours of additional course work are required. A departmental written qualifying examination is required.

Student Financial Support: Research and teaching assistantships are available on a competitive basis to early

applicants. Fellowships that supplement assistantship stipends are available to U.S. applicants with superior credentials. Award priority is given to Ph.D. and then to M.S. applicants.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Integrated Manufacturing Systems Engineering

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Integrated Manufacturing Systems Engineering						Y		

GRADUATE FACULTY

Directors of Graduate Programs:

S. D. Jackson, Box 7915, 919/515-3808, sdjackso@ncsu.edu, Integrated Manufacturing Systems Engineering
S. G. Allen, Box 8114, 919/515-5584, steve_allen@ncsu.edu, Business Management

Named Professors: R. L. Barker, M. D. Boyette, R. E. King, R. A. Wysk; **Named Distinguished University Professors:** R. B. Handfield, T. J. Hodgson, M. Rappa; **Distinguished Professors:** O. A. Harrysson; **Professors:** G. D. Buckner, Y. A. Chen, M. Chow, T. G. Clapp, E. C. Dickey, Y. Fathi, T. K. Ghosh, J. S. Ivy, W. J. Jasper, J. A. Joines, J. W. Leach, Y. Lee, T. J. Little, L. A. Martin, W. J. Rasdorf, P. I. Ro, J. P. Rust, A. M. Seyam, J. R. Wilson; **Research Professors:** B. L. Edge, D. L. Lubkeman, T. M. Paskova; **Adjunct Professors:** M. Devetsikiotis, T. M. Paskova; **Emeritus Named Professors:** S. D. Roberts, C. F. Zorowski; **Emeritus Professors:** R. E. Carawan, P. L. Grady, T. Johnson, W. A. Smith, R. E. Young, C. F. Zorowski; **Emeritus Distinguished Professors:** C. T. Culbreth Jr; **Associate Professors:** D. R. Bahler, P. Banks-Lee, K. A. Barletta, R. R. Collazo, J. Dong, G. L. Hodge, H. Huang, M. G. Kay, N. Lu, K. Mitchell, D. E. Saloni, D. P. Warsing; **Research Associate Professors:** J. Taheri; **Adjunct Associate Professors:** B. Denton; **Emeritus Associate Professors:** S. N. Chapman, E. Sani; **Assistant Professors:** J. J. Adams; **Research Assistant Professors:** T. J. Horn; **Adjunct Assistant Professors:** S. S. Ahiska; **Teaching Professors:** S. D. Jackson, H. L. Nuttle, C. L. Reynolds Jr

The Integrated Manufacturing Systems Engineering (IMSE) Institute was established in 1984. IMSE provides multidisciplinary graduate-level education and practical training opportunities in the theory and practice of integrated manufacturing systems engineering at the masters level. IMSE focuses on providing a manufacturing presence and a program environment in the College of Engineering where faculty, graduate students and industry can engage cooperatively in multidisciplinary graduate education, basic and applied research, and technology transfer in areas of common interest related to modern manufacturing systems technology. The objective of the IMSE program is to offer students with traditional discipline backgrounds in engineering and the physical sciences an opportunity to broaden their understanding of the multidisciplinary area of manufacturing systems. Core areas of concentration are offered in manufacturing systems, logistics, mechatronics, and biomanufacturing.

Admission Requirements: Admission to the IMSE master's program requires a B.S. degree from an accredited institution in engineering, physics, mathematics, or computer science. Check with the Institute if your degree is in a field other than these listed.

Master's Degree Requirements: The IMSE program requires a minimum of 27 hours of graduate course work and six hours of research project. The graduate course work includes five required core courses that provide a multidisciplinary overview of subject materials basic to manufacturing systems, logistics, mechatronics, and biomanufacturing. Specialization is provided in the student's elective courses. The six hours of research project is performed either individually or in teams in areas that compliment and reinforce the graduate course work.

The IMSE degree is now available through Engineering Online as a distance program. Application to the IMSE Distance Education program is the same as the on-campus program: www2.acs.ncsu.edu/grad/applygrad.htm. More information is available via the [IMSE Institute](#) (nkevans@ncsu.edu, 919-515-3808).

Student Financial Support: Assistantships, fellowships and internships are available to qualified students. The full financial support package covers tuition and health insurance.

Fellowship/Internship: The IMSE internship program was established to provide a cooperative industrial and academic experience for some IMSE students and our industrial sponsors. Several Fellowship/Internships awards are made available every year for special training in IMSE member companies. Students who are selected to participate in the internship program receive financial support for four semesters and one summer. Typically, the student attends classes for two semesters (fall and spring), works at the sponsor company for the following summer and fall semester, and completes the IMSE course requirements the following spring semester. The student uses the experience at the sponsor company as the basis for their IMSE research project.

Other Relevant Information: The Institute is supported by an industrial affiliates group of member companies. They have included ABB, ABCO Automation, AIMS, Applied Materials, AT&T, Bayer, B/S/H, Biogen Idec, Bosch Tools, CDB Corporation, CP&L, Carver Machine Works, Castle Hill Technologies, Caterpillar, Closure Medical, Corning Cable Systems, CSX, Inc., Dupont, Elkay, Ford Motor, GE, GKN, IBM, Intel, John Deere Turf Care, Meadows Mills, Morganite, Nekton Technologies, Nortel, OdorSweep, Potters Industries, Rubbermaid, Rxmedic, Snap-on Incorporated, and Swift Water Industries. The Institute interacts with member companies through an Industry Advisory Board and internships.

Core areas of concentration are offered in manufacturing systems, logistics, mechatronics, and biomanufacturing.

I. Manufacturing Core (one from each area)

Area 1

CSC 510 Software Engineering
CSC 742 Database Management Systems
ISE(CSC,OR) 762 Computer Simulation Techniques
ISE(CSC) 441 Introduction to Simulation
ISE 719 CIM System Design

Area 2

MBA 520 Managerial Finance
ISE 510 Applied Engineering Economy
ISE 711 Capital Investment Economic Analysis

Area 3

ISE 514 Manufacturing Product Engineering
ISE 707 Real-time Control of Automated Manufacturing
ISE 715 Manufacturing Process Engineering
ISE 716 Automated Systems Engineering

Area 4

ISE 723 Production Planning, Scheduling and Inventory Control

Area 5

MAE(WPS) 534 Mechatronic Design
MAE 742 Mechanical Design for Automated Assembly

II. Logistics Core (one from each area)

Area 1

CSC(ECE) 510 Software Engineering
CSC 742 Database Management
ISE(CSC,OR) 762 Computer Simulation Techniques
ISE 441 Introduction to Simulation
ISE 719 CIM Systems Design

Area 2

MBA 520 Managerial Finance
ISE 510 Applied Engineering Economy

ISE 711 Capital Investment Economic Analysis

Area 3

MBA 541 Supply Management

MBA 542 Supply Chain Logistics

Area 4

ISE 723 Production Planning, Scheduling and Inventory Control

Area 5

ISE 754 Logistics Engineering

III. Mechatronics Core (one from each area)

Area 1

MAE (WPS) 534 Mechatronic Design

ECE 556 Agent-Based Mechatronics Systems

Area 2

MAE 513 Principles of Structural Vibration

MAE(ECE) 535 Design of Electromechanical Systems

MAE 742 Mechanical Design for Automated Assembly

Area 3

ECE 511 Analog Electronics

ECE 555 Computer Control of Robots

ECE 755 Advanced Robotics

Area 4

CSC(ECE) 517 Object-oriented Languages and Systems

ECE 561 Embedded Systems Design

ECE 742 Artificial neural Networks

ISE 719 CIM System Design

Area 5

ECE 437 Distribution Real-time Control Systems

ECE 516 System Control Engineering

ISE 707 Real-time Control of Automated Manufacturing

ISE 716 Automated Systems Engineering

IV. Biomanufacturing Core (one from each area)

Area 1

ISE/OR/CSC 762 Computer Simulation

ISE 719 CIM Systems Design

Area 2

MBA 520 Managerial Finance

ISE 520 Applied Engineering Economy

Area 3

ISE 514 Manufacturing Product Engineering

ISE 707 Real-Time Control of Automated Manufacturing

Area 4

ISE 723 Production Planning, Scheduling, and Inventory Control

Area 5

ISE 789 Quality Control in Biomanufacturing Applications

TE 589 Six Sigma Quality

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

International Studies

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
International Studies						Y		

GRADUATE FACULTY

Director of Graduate Programs:

H. H. Hobbs, Box 8102, heidi_hobbs@ncsu.edu, Political Science

Named Distinguished Professors: M. D. Schulman; ***Professors:*** F. W. Cabbage, D. M. Daley, M. A. Johnson, A. F. Khater, J. Kuzma, A. W. Mitchell, R. P. Patterson, M. A. Renkow, E. O. Sills, A. J. Taylor; ***Emeritus Professors:*** L. S. Bull, E. W. Erickson, R. L. Moxley, J. C. Shih, M. S. Soroos, M. A. Witt; ***Emeritus Distinguished Professors:*** S. W. Buol; ***Associate Professors:*** A. B. Bigelow, W. A. Boettcher, C. E. Griffin, H. H. Hobbs, J. Kiwanuka-Tondo, R. C. Kochersberger, L. V. Kochtcheeva, R. S. Moog, M. T. Nance, T. V. Reid, M. J. Struett, J. M. Wallace, S. B. Wiley; ***Emeritus Associate Professors:*** L. D. Gustke, R. C. Kochersberger, R. J. Thomson, S. T. Warren; ***Assistant Professors:*** M. Khisa, J. Liao, R. J. Reardon; ***Teaching Assistant Professors:*** T. A. Appling, J. P. Crane-Seeber, D. Mitin, A. G. Solari

The Master of International Studies (MIS) is a 36 credit, non-thesis professional degree program that prepares students for careers in government service, non-profit administration, international business, and international student services and study abroad. Located in the School of Public and International Affairs, the MIS degree draws upon faculty and courses from colleges and departments across the university. Approximately half of the course work for the degree is devoted to developing international knowledge and competencies. The remaining coursework is comprised of regional, topical, professional or technical specializations designed by students in consultation with their faculty advisors. The program has an excellent internship program that contributes to job placement upon graduation.

Admission Requirements: Applicants must provide GRE scores and a current resume in addition to other application materials required by the Graduate School.

Degree Requirements: The requirements for the MIS degree are as follows:

1. 36 credit hours of course work;
2. Core Curriculum (15 hours). One course from each of the following five groups:
 - Group A - International Relations
 - Group B - Comparative Politics/Societies
 - Group C - International Law and Organization
 - Group D - International Economy/Development
 - Group E - Research Methods
3. Individualized specialization (12-15 hours). The specialization may be in a geographical region (e.g., Europe, Latin America), an international topic (e.g., security, global governance, sustainable development), a professional field (e.g., public administration, non-profit management), or a technical specialty (e.g., Geographic Information System-GIS);
4. Capstone seminar (3 hours) and oral presentation of work to faculty and peers;
5. International experience or study abroad; and

6. Competency in a foreign language as determined by the Department of Foreign Languages and Literatures (FLL).

[NCSU Graduate Catalog](#)

Landscape Architecture

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Landscape Architecture						Y		

GRADUATE FACULTY

Directors of Graduate Programs:

C. F. Delcambre, Box 7701, 919/513-4320, cfdelcam@ncsu.edu, Landscape Architecture

E. H. Bressler, Box 7701, 919/515-5333, gene_bressler@ncsu.edu, Landscape Architecture

Professors: R. F. Abrams, E. H. Bressler, M. E. Deming, D. B. Hill, R. C. Moore, A. R. Rice; **Professors of the Practice:** P. K. Kjaer, R. L. Swink; **Emeritus Professors:** H. A. Devine, M. J. Malecha, R. R. Wilkinson; **Associate Professors:** K. M. Boone, A. A. Fox, F. H. Magallanes, T. H. Shear, J. T. Sherk; **Research Associate Professors:** N. G. Cosco; **Assistant Professors:** C. Pasalar; **Assistant Professors of the Practice:** C. A. Flink; **Teaching Assistant Professors:** C. F. Delcambre

Course offerings or research facilities are available in the following areas: site planning and design, landscape history, urban public spaces, community design, regional design, resource management, outdoor learning environments, international urban and rural landscapes, and specialized landscapes.

Admission Requirements: The best-qualified applicants are accepted up to the maximum number of spaces that are available for new students. Exceptions to the minimum 3.00 GPA may be made for students with special backgrounds, abilities and interests.

Master's Degree Requirements.

I. Accredited First Professional Degree in Landscape Architecture: Candidates follow an 82-hour sequence of courses over a six-semester period. Three semesters of the program of study are determined by the required curriculum. The last three semesters of study are outlined by the student's Chair of the Department, Director of Graduate Programs, and/or advisor. Research and case studies lead to the final project and design application. The investigative direction is set in collaboration with the chair of the faculty committee. A formal presentation of findings to the faculty, student body and local professionals is required. The summary research and project report must be submitted to the College of Design faculty to meet the graduation requirements. *II. Advanced Studies in Landscape Architecture:* Candidates with an accredited undergraduate Landscape Architecture degree follow a 48-hour sequence of courses. Twenty-seven hours of electives are chosen through advising with the Director of Graduate Programs, advisors and faculty committee. Comprehensive research work is required for a final project with a final report is required. A formal presentation of findings to the faculty, student body and local professionals is also required.

Other Relevant Information: Students have the option of including a graduate minor in their course of studies. Minors can be in any other graduate program offered at NC State, UNC-CH and Duke University. Some examples of graduate minors are: natural resources, parks, recreation and tourism management, architecture, education, planning, civil engineering, and art and design. The College of Design includes the Center for Universal Design, the Office of Research, Extension & Engagement, and the Natural Learning Initiative.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Liberal Studies

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Liberal Studies					Y			

GRADUATE FACULTY

Director of Graduate Programs:

M. D. Garval, Box 8106, 919/260-1768, garval@ncsu.edu, Foreign Languages and Literatures

Distinguished Professors: A. H. Harrison; ***Professors:*** J. P. Braden, G. L. Comstock, M. D. Garval, J. K. Jameson, D. M. Marchi, S. C. Nassar, J. A. Pasten, R. P. Patterson, R. W. Slatta, K. S. Vincent, C. A. Warren, R. A. Waschka;

Clinical Professors: B. L. Sherman; ***Emeritus Professors:*** C. K. Coe, D. H. Crumbley, M. L. Krotee, J. S. Lapp, L. H. MacKethan, C. R. Miller, M. H. Thuente; ***Associate Professors:*** K. I. Allen, A. O. Behnke, A. B. Bigelow, C. C. Brookins, J. R. Brunet, J. M. Casper, A. A. de Souza e Silva, S. L. Desmarais, M. B. Edwards, S. E. Garrigan, N. M. Haenn, K. A. Harwood, J. Kiwanuka-Tondo, R. S. Moog, D. M. Rieder, S. R. Stein, J. M. Wallace; ***Emeritus Associate Professors:*** P. F. Bitting, S. H. Kessler, R. E. Peterson, M. L. Vasu, S. T. Warren; ***Assistant Professors:*** C. D. Denson, J. Kertesz; ***Teaching Professors:*** G. D. Beckman, J. C. Kramer; ***Teaching Associate Professors:*** K. A. Bush, D. S. Murray; ***Teaching Assistant Professors:*** A. E. Arnold; ***Lecturers:*** A. E. Arnold

The Master of Arts in Liberal Studies (MALS) program is an interdisciplinary graduate program administered by the College of Humanities and Social Sciences. This is a broad, interdisciplinary program of part-time or full-time graduate study that integrates and expands the student's knowledge and awareness and that is geared to the student's personal interests. Each student, in consultation with an academic advisor, designs an individual program of study around an interdisciplinary theme or topic that is of intrinsic interest to the student or that relates to the student's professional or vocational interests. Students take graduate courses across a range of NC State departments as well as MALS seminars designed specifically for the program.

Admissions Requirements: Students entering the Master's program in liberal studies must have an undergraduate degree. In addition to the material required by the Graduate School, students applying are asked to submit a four to five page statement describing their objectives in doing a degree in liberal studies and a resume. GRE scores are not required. All applicants are interviewed.

Master's Degree Requirements: Thirty hours of course work made up of (1) three MALS seminars or two MALS seminars and a research methods course, (2) 18 hours representing the student's interdisciplinary theme or concentration, and (3) a three-hour culminating project. Examples of concentrations that are well supported by graduate courses in the NC State curriculum are: science, technology and society, the American experience and leadership.

Click on [Graduate Courses](#) for current Liberal Studies course information.

[NCSU Graduate Catalog](#)

Management

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Management						Y		

GRADUATE FACULTY

Director of Graduate Programs:

S. G. Allen, Box 8114, 919/515-5584, steve_allen@ncsu.edu, Business Management

Professors: S. G. Allen, D. H. Henard, S. K. Markham, D. P. Pagach; **Professors of the Practice:** L. Shamblin;

Associate Professors: P. W. Mulvey; **Emeritus Associate Professors:** J. K. McCreery

The Jenkins Graduate School of Management, part of the North Carolina State University College of Management, in partnership with the Skema Business School in Paris, France, offers a Master's degree in Management as part of the Global Luxury and Management program. The curriculum is designed to give students with a range of backgrounds a strong exposure to core business management skills while providing in-depth exposure to the global luxury industry. It was designed specifically for students who are looking to create a personal competitive advantage for today's global luxury job market.

Students in the program come from around the world and classes will be held in both the United States and France. Students are taught by international professors who are leaders in their fields. Interactions with global luxury firms will occur both in the classroom, study tours and via internships.

Admission Requirements: Applicants are required to complete the standard NC State Graduate School application process. Applicant assessments will be done on an individual-by-individual basis. Concurrent acceptance activities will be at both Skema and NC State. GMAT or GRE scores are not required of applicants. International applicants must complete the TOEFL or IELTS.

U.S. applicants will need a valid U.S. passport and visa for traveling to France. Upon acceptance to the program, students can apply for a visa. Applicants should also be prepared for additional program costs (airfare to and from Europe and travels within Europe, lodging and meals while in France).

Master's Degree Requirements: The MM degree requires 33 credit hours and can be completed in one year. It does not require courses in subject areas such as economics and operations management which are required in the MBA. This one-year program awards two master degrees:(1) a degree from NC State University and (2) a degree from Skema Business School.

Core Courses:

MBA 564 Business Relationship Management
BUS 590 Analytic Decision Making
BUS 590 Business and Legal Ethics
BUS 590 Global Luxury Digital Marketing and Social Media
BUS 590 Global Luxury Leadership, Communication and Negotiation
BUS 590 Luxury Professional Development
BUS 590 Luxury Consumer Seminar
BUS 590 Luxury Marketing Strategy
BUS 590 Supply Chain Management

Other Relevant Information: After two years of full-time work experience, qualified students who earn the dual

master degree in Management are eligible to apply to the NC State MBA program. This would require an additional 30 hours of study. Students must complete a separate application to the MBA program.

[NCSU Graduate Catalog](#)

Marine, Earth and Atmospheric Sciences

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Climate Change and Society						Y		
Marine, Earth, and Atmospheric Sciences	Y			Y				

GRADUATE FACULTY

J. F. Levine, *Department Head*

Directors of Graduate Programs:

E. L. Leithold, Box 8208, 919/515-7282, leithold@ncsu.edu, Marine, Earth and Atmospheric Sciences

J. F. Levine, Box 8208, 919/513-6397, jflevine@ncsu.edu, Marine, Earth and Atmospheric Sciences

V. P. Aneja, Box 8208, 919/515-7808, viney_aneja@ncsu.edu, Marine, Earth and Atmospheric Sciences

Named Distinguished Professors: J. M. Burkholder; ***Professors:*** V. P. Aneja, D. J. DeMaster, D. B. Eggleston, R. V. Fodor, D. P. Genereux, P. J. Harries, R. He, G. M. Lackmann, E. L. Leithold, J. F. Levine, D. A. McConnell, N. Meskhidze, H. Mitasova, M. D. Parker, W. A. Robinson, M. H. Schweitzer, W. J. Showers, M. K. Stoskopf, L. Xie, S. E. Yuter, Y. Zhang; ***Research Professors:*** O. B. Brown, J. C. Fountain, T. S. Hopkins, K. E. Kunkel, S. Rebach; ***Adjunct Professors:*** J. J. Bates, N. E. Blair, S. W. Chang, T. F. Clark, B. A. Colle, W. J. Cooper, R. P. Dziak, D. R. Easterling, P. Hamilton, A. F. Hanna, R. S. Harmon, D. E. Kingsmill, S. E. Koch, E. H. Koster, S. K. Leduc, N. S. Levine, J. M. Morrison, S. T. Rao, R. Rotunno, C. R. Smith, S. Yu, C. L. Ziegler, P. J. Ziemann; ***Emeritus Professors:*** S. S. Arya, H. S. Brown, B. J. Copeland, J. M. Davis, J. C. Fountain, J. P. Hibbard, D. Kamykowski, L. J. Langfelder, L. J. Pietrafesa, S. Raman, F. H. Semazzi, P. Shaw, C. W. Welby, E. A. Wheeler, T. G. Wolcott; ***Associate Professors:*** A. Aiyyer, D. R. Bohnenstiehl, J. Liu, C. L. Osburn, M. D. Petters, A. Schnetzer, K. W. Wegmann; ***Research Associate Professors:*** C. J. Thomas; ***Adjunct Associate Professors:*** G. B. Avery, S. Basu, M. A. Baxter, R. X. Black, R. P. Boyles, S. A. Braun, S. Bulusu, D. H. Doctor, B. S. Ferrier, J. C. Gosse, C. D. Harrington, Y. Hu, C. Jang, C. E. Konrad, B. Kosovic, J. Lin, J. J. Luczkovich, K. S. McNeal, R. D. Nair, C. Nelson, J. C. Reid, J. Rudek, J. C. Warner, S. N. White, R. W. Wiener; ***Emeritus Associate Professors:*** A. J. Riordan, E. F. Stoddard, D. L. Wolcott; ***Assistant Professors:*** C. A. Arendt, S. P. Bishop, P. K. Byrne, E. G. Hyland, R. W. Paerl; ***Research Assistant Professors:*** K. Wang; ***Emeritus Research Professors:*** D. A. Russell; ***Adjunct Assistant Professors:*** G. W. Bell, P. W. Belmont, M. Brennan, A. G. Carlton, J. J. Charney, D. R. Corbett, P. W. Curley, J. M. Dahl, S. H. Ensign, B. J. Etherton, S. Gasso, N. S. Hall, E. L. Hestir, A. L. Holder, G. J. Kirkpatrick, A. J. Lewitus, B. Liu, H. Liu, K. M. Mahoney, J. E. McNinch, D. B. Mechem, D. S. Niyogi, S. B. Phillips, B. J. Puckett, R. E. Reed, P. A. Roelle, B. Schaeffer, C. J. Schreck, G. A. Sinclair, R. C. Tacker, Q. Tong; ***Teaching Assistant Professors:*** L. Falk; ***Lecturers:*** B. K. Eder, J. T. Walker

Graduate programs are offered in atmospheric science, earth science, and marine science. Within marine sciences the subdisciplines of biological, chemical, geological and physical oceanography are recognized by the profession.

Admission Requirements: A bachelor's degree with research experience or a master's degree is required for entry into the Ph.D. program. A bachelor's degree in a science, mathematics or engineering is required for entry into the M.S. program in atmospheric science, earth science, and biological, chemical, geological or physical oceanography. Undergraduate field camp is required of all students in the M.S. program in earth science; this requirement may be fulfilled before or after admission. An M.S. degree with a non-thesis option for students is available and admission to this option must be requested at the time of application.

Master's Degree Requirements: The M.S. degree requires a minimum of 30 credit hours. Specific course requirements are determined by the advisory committee of each student. However, MEA 601 Seminar is required of all thesis M.S. students no later than the third semester in residence. Marine science students are required to take core courses in two of

the three subdisciplines other than their own.

Doctoral Degree Requirements: Specific courses are determined by the student's advisory committee. Registration in seminar, MEA 801, is required of all Ph.D. students no later than the fourth semester in residence. Marine science students are required to take core courses in all three subdisciplines other than their own; this requirement may be fulfilled at the M.S. level.

Student Financial Support: Research and teaching assistantships are available.

Other Relevant Information: Students are assigned initial advisors upon admission. It is the student's responsibility to secure the consent of a faculty member to serve as the permanent advisor who will chair or co-chair the advisory committee.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Materials Science and Engineering

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Materials Science and Engineering	Y			Y		Y		

GRADUATE FACULTY

Director of Graduate Programs:

A. Ivanisevic, Box 7907, aivanis@ncsu.edu, Materials Science and Engineering

Named Professors: S. A. Bedair, G. N. Parsons, Y. T. Zhu; **Named Distinguished Professors:** D. W. Brenner, C. C. Koch, J. Narayan, Z. Sitar; **Distinguished Professors:** J. J. Cuomo, J. Genzer, O. A. Harrysson, F. So, R. J. Spontak; **Distinguished University Professors:** D. E. Aspnes; **Professors:** H. Ade, C. M. Balik, E. C. Dickey, N. A. El-Masry, R. E. Gorga, A. Ivanisevic, J. L. Jones, J. Krim, T. H. LaBean, H. H. Lamb, K. L. Murty, R. J. Narayan, R. O. Scattergood, J. S. Strenkowski, Y. G. Yingling, X. Zhang, Y. Zhu; **Research Professors:** T. M. Paskova; **Adjunct Professors:** E. G. Lobo-Polefka, T. M. Paskova, J. T. Prater, J. Schwartz, T. Shen, F. Shimura; **Emeritus Named Professors:** R. F. Davis; **Emeritus Professors:** K. J. Bachmann, J. A. Bailey, H. Conrad, K. S. Havner, K. L. Moazed, H. Palmour; **Emeritus Distinguished Professors:** G. Lucovsky; **Associate Professors:** L. Cao, R. R. Collazo, D. L. Irving, J. S. Jur, J. Kasichainula, J. M. LeBeau, J. B. Tracy, D. Vashae; **Research Associate Professors:** D. P. Griffis; **Adjunct Associate Professors:** A. Karoui, V. Zhirnov; **Emeritus Associate Professors:** J. V. Hamme; **Assistant Professors:** V. Augustyn, F. L. Hunte, T. M. Miller, S. Patala; **Adjunct Assistant Professors:** S. N. Mathaudhu; **Teaching Professors:** C. L. Reynolds Jr; **Teaching Associate Professors:** C. P. Cass

Materials enable all of the engineering and high-technology fields that are an integral part of our society. Graduate programs in this department focus on understanding the structure, structure modification and properties of materials and the development of new or improved materials and advanced processing methods that are critical links between the design and the realization of new systems for manufacturing, nanotechnology, energy, and biomaterials.

The M.S. and Ph.D. programs are research-based degree programs focusing on faculty-mentored, state-of-the-art materials research that leads to a thesis or dissertation.

The Master of Materials Science and Engineering is a non-thesis degree program designed for students from a variety of technical backgrounds interested in furthering their understanding of materials processing, characterization and properties. This program is appropriate for distance-education Masters students.

The Master of Nanoengineering is a multidisciplinary non-thesis degree program designed so students can declare a concentration in one of the following three areas: (1) Materials Science in Nanoengineering; (2) Nanoelectronics and Nanophotonics; or (3) Biomedical Sciences in Nanoengineering. This program is appropriate for distance-education Masters students.

Admission Requirements: In addition to the general admission requirements as set by the Graduate School, the department requires submission of GRE scores. Non-native English speakers also require a [minimum TOEFL score](#) as established by the Graduate School.

Master's Degrees Requirements: The Master of Science degree (M.S.) requires 30 credit hours of coursework/research and a research thesis. The Master of Materials Science and Engineering degree (M.M.S.E.) requires 30 credit hours of coursework only. The Master of Nanoengineering (M.NAE.) requires 30 credit hours of coursework only.

Doctoral Degree Requirements: The doctoral degree (Ph.D.) requires 72 credit hours of coursework/research, a

qualifying exam, and a research dissertation.

Student Financial Support: Students in the M.S. and Ph.D. graduate programs normally receive financial support in the form of research or teaching assistantships or fellowships.

Other Relevant Information: The department reflects the interdisciplinary nature of the field of Materials Science and Engineering. A substantial number of current graduate students majored in fields other than but related to materials, and the department has associated graduate faculty from other departments supervising thesis and dissertation research.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Mathematics

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Applied Mathematics	Y			Y				
Mathematics	Y			Y				

GRADUATE FACULTY

A. E. Chertock, *Department Head*

Director of Graduate Programs:

P. A. Gremaud, Box 8205, 919/515-3085, gremaud@ncsu.edu, Mathematics

Named Professors: C. T. Kelley; **Named Distinguished University Professors:** H. T. Banks; **Professors:** J. D. Brown, S. L. Campbell, A. E. Chertock, M. T. Chu, L. Chung, J. D. Cohen, P. L. Combettes, R. O. Fulp, P. A. Gremaud, M. Haider, R. E. Hartwig, A. G. Helminck, P. L. Hersh, K. F. Hollebrands, H. Hong, I. Ipsen, K. Ito, N. Jing, E. L. Kaltofen, A. Kheyfets, Z. Li, X. Lin, A. L. Lloyd, S. R. Lubkin, R. H. Martin, N. G. Medhin, K. C. Misra, M. Olufsen, M. Paesler, M. S. Putcha, J. Rodriguez, M. Shearer, J. W. Silverstein, M. F. Singer, R. C. Smith, E. L. Stitzinger, S. M. Sullivan, H. T. Tran, S. V. Tsynkov, D. V. Zenkov; **Adjunct Professors:** J. T. Betts, O. J. Eslinger, M. V. Evans, S. P. Hamilton, C. L. Hughes, R. L. Ives, D. J. Lee, V. E. Manukian, J. T. Ottesen, R. P. Pawlowski, P. M. Schlosser, C. S. Woodward; **Emeritus Professors:** J. W. Bishir, R. E. Chandler, E. N. Chukwu, J. C. Dunn, J. E. Franke, R. O. Fulp, T. J. Lada, J. A. Marlin, C. Meyer, C. V. Pao, S. Schecter, J. F. Selgrade; **Associate Professors:** B. N. Bakalov, L. V. Bociu, S. Ghoshal, M. J. Kang, I. A. Kogan, L. K. Norris, T. Pang, S. Paur, N. P. Reading, A. Szanto; **Adjunct Associate Professors:** R. W. Ellson; **Emeritus Associate Professors:** G. D. Faulkner, D. E. Garoutte, L. B. Page, J. S. Scroggs, R. Silber, D. F. Ullrich; **Assistant Professors:** A. Alexanderian, K. B. Flores, R. Ke, T. Lidman, R. I. Liu, T. Nguyen, D. Papp, A. Saibaba, R. Sazdanovic, C. L. Vinzant; **Adjunct Assistant Professors:** K. S. Berenhaut, S. Bhattacharya, W. Chen, P. Drineas, J. D. Hauenstein, S. E. Howington, D. A. Knoll, A. Mahdi, J. E. Massad, J. L. Matthews, A. Mokhtari, V. Novak, Q. Zhang; **Teaching Associate Professors:** A. N. Duca, M. A. Fenn, J. R. Griggs; **Teaching Assistant Professors:** A. A. Cooper, B. L. Maultsby, B. B. Williams; **Lecturers:** W. Chen, T. J. Lada

The Department of Mathematics offers programs leading to the degrees of Master of Science and Doctor of Philosophy in mathematics and in applied mathematics. Students may opt for the concentration in computational mathematics, which is attached to the program in applied mathematics. The Concentration in Interdisciplinary Mathematics (MAI) is available to Ph.D. students in either Mathematics or Applied Mathematics. It is not available to Masters Students. Joint research endeavors with industrial and governmental partners are facilitated and encouraged. The Department of Mathematics also offers a Certificate.

Admissions Requirements: Applicants for admission should have an undergraduate or Master's degree in mathematics or equivalent. This should include courses in advanced calculus, modern algebra and linear algebra. Applicants with degrees in other subjects may be admitted but may be required to take certain undergraduate courses in mathematics without receiving graduate credit. GRE general scores are required. The GRE Subject Test in Mathematics is not required but a good score can be a positive factor in admission.

Master of Science Requirements: The M.S. degree requires a minimum of 30 credit hours. In addition to course requirements (27 credit hours), the M.S. degree requires a written Master's project for 3 hours credit.

Ph.D. Requirements: The Ph.D. requires a minimum of 72 credit hours. A student will typically take 50-60 semester hours of course credits for the Ph.D. These courses include one semester of modern algebra and one semester of mathematical analysis. The written preliminary examination consists of examinations in three areas of mathematics chosen by the student from 14 possibilities. The research dissertation should represent a substantial contribution to an

area of mathematics or its applications.

Student Financial Support: Teaching assistantships and some research assistantships are available. Teaching assistants benefit from a structured program of training in university-level teaching.

Other Information: The Department of Mathematics has a large number of workstations devoted exclusively to its graduate students.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Mechanical and Aerospace Engineering

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Aerospace Engineering	Y			Y				
Mechanical Engineering	Y			Y				

GRADUATE FACULTY

S. V. Ekkad, *Department Head*

Director of Graduate Programs:

K. J. Peters, Box 7910, 919/515-2365, kipeters@ncsu.edu, Mechanical and Aerospace Engineering

Named Professors: S. V. Ekkad, F. Yuan, Y. T. Zhu, M. A. Zikry; **Named Distinguished University Professors:** T. A. Dow; **Distinguished Professors:** O. A. Harrysson; **Professors:** G. D. Buckner, T. Echehki, J. R. Edwards, T. Fang, A. Gopalarathnam, R. D. Gould, E. Grant, P. A. Gremaud, H. A. Hassan, X. Jiang, R. F. Keltie, C. Kleinstreuer, A. V. Kuznetsov, J. W. Leach, H. Luo, K. M. Lyons, G. Ngaile, K. J. Peters, A. Rabiei, P. I. Ro, R. O. Scattergood, L. M. Silverberg, J. S. Strenkowski, J. F. Tu, F. Wu, Y. Zhu; **Adjunct Professors:** C. S. Kim, M. Reyhanoglu, W. L. Roberts; **Emeritus Named Professors:** C. F. Zorowski; **Emeritus Professors:** J. A. Bailey, H. M. Eckerlin, F. J. Hale, F. D. Hart, H. A. Hassan, T. H. Hodgson, R. R. Johnson, D. S. McRae, J. C. Mulligan, R. T. Nagel, L. H. Royster, F. Y. Sorrell, C. F. Zorowski; **Associate Professors:** M. A. Boles, C. Chang, J. W. Eischen, S. M. Ferguson, C. E. Hall, H. Huang, Y. Jing, A. P. Mazzoleni, B. T. O'Connor, K. Saul, A. V. Saveliev; **Assistant Professors:** M. Bryant, L. Grace, K. Granlund, J. Liu, M. Muller, V. Narayanaswamy, M. R. Pankow, P. K. Subbareddy; **Research Assistant Professors:** S. D. Terry; **Adjunct Assistant Professors:** J. A. Cooke; **Teaching Professors:** R. R. Johnson; **Teaching Associate Professors:** P. B. Corson, C. M. Tran; **Teaching Assistant Professors:** S. E. Hollar

The **Mechanical Engineering** graduate program prepares students in all aspects of mechanical and thermal systems design and manufacturing. Course offerings and research programs for mechanical engineering students are available in applied mechanics; biomechanics; combustion; design and manufacturing: dynamic systems and control; energy conversion and systems; experimental mechanics; fluid dynamics; heat transfer; mechanics of materials; micro, nano and MEMS; and vibration and acoustics. Sub-areas include adaptive and auto adaptive structures, controls and system identification, CFD, energy conversion and renewable energy, materials processing and tribology, mechatronics, precision engineering, and reactive and multiphase flows.

Graduate students in the **Aerospace Engineering** program focus on aircraft and space systems design, analysis, and manufacturing. Students can select course offerings and research programs in aerodynamics and applied aerodynamics; aerospace propulsion; computational fluid dynamics; dynamics and design of spacecraft and space systems; flight dynamics and control; and multifunctional materials and smart structures. Sub-areas include acoustics, aeroelasticity, atomization, sprays, composite materials, reactive and multiphase flows, stability, and transition to turbulence.

Admission Requirements: An applicant to the master's program must be a graduate of an accredited undergraduate program with a B.S. degree in either mechanical or aerospace engineering. Graduates of other accredited programs in engineering, physical sciences and mathematics may be considered but will be required to make up undergraduate deficiencies without graduate credit. Provisional admissions, as well as exceptions, are sometimes granted under special circumstances. The most qualified applicants are accepted first. Applicants to the Ph.D. program must have met the M.S. admission requirements and additionally must satisfy the Ph.D. admissions requirements.

Master's Degree Requirements: The thesis-option M.S. degree programs in mechanical engineering and aerospace engineering require 21 hours of course credit and nine hours of thesis research. The non-thesis M.S. degree programs in mechanical engineering and aerospace engineering require 27 hours of course credit and a three credit-hour project. The

non-thesis M.S. degree programs in mechanical engineering and aerospace engineering are offered on campus and off campus through distance education.

Ph.D. Degree Requirements: A minimum of 72 hours of credit are required to obtain the Ph.D. degree. A direct path to the Ph.D. from the B.S. is also available with which the student is granted the M.S. degree “enroute” to the Ph.D. The enroute Ph.D. (direct to Ph.D. path) requires a minimum of 3.5 undergraduate GPA.

Student Financial Support: Various types of assistantships and fellowships are available. Awards are made to the most qualified applicants first and generally are not available for all students.

Other Relevant Information: Each new student chooses an area of specialty, selects an advisor and committee, customizes a program of study and begins research in the first semester of residence. The Director of Graduate Programs acts as a temporary advisor initially and should be contacted with questions.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Microbial Biotechnology

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Microbial Biotechnology						Y		

GRADUATE FACULTY

Director of Graduate Programs:

E. S. Miller, Box 7615, 919/513-1368, eric_miller@ncsu.edu, Plant and Microbial Biology

Professors: M. Hyman, E. S. Miller; **Adjunct Professors:** D. van der Lelie; **Associate Professors:** S. B. Carson, P. T. Hamilton

The Master of Microbial Biotechnology Program (MMB) is recognized by the [Council of Graduate Schools](#) as a [Professional Science Master's degree](#) (PSM). The MMB degree combines training in Microbiology, Business and Biotechnology. This degree is specifically designed to prepare students for positions in the biotechnology, biopharmaceutical and agrobusiness industries. The program includes courses that involve semester-long interactions with local biotechnology companies as well as foundational courses in microbiology, business management and molecular biology.

Admission Requirements: Applications are invited from individuals holding B.S. or M.S. degrees in the physical and life sciences. Applications should be received before May 1 to be considered for Fall semester admission. The Graduate Record Exam (GRE) is required and should be taken sufficiently early so that scores can be submitted and evaluated along with the application. Other requirements include all relevant transcripts, three letters of recommendation and a personal statement that describes the applicant's career goals as well as why they are pursuing the MMB degree.

Master's Degree Requirements: The Master of Microbial Biotechnology (MMB) degree requires 40 credit hours, including four semesters involvement in an Industry Case Studies course, as well as a summer industry internship. This program also can be combined with a Master of Business Administration (MBA) offered through the College of Management.

Student Financial Support: A limited number of full-time participants in the Master of Microbial Biotechnology program may be eligible for Teaching Assistantships. The number of TA positions available varies every semester and there are no guaranteed positions. Students in the MMB program should assume that they will self-fund their education.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Microbiology

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Microbiology	Y			Y		Y		

GRADUATE FACULTY

Director of Graduate Programs:

E. S. Miller, Box 7615, 919/513-1368, eric_miller@ncsu.edu, Plant and Microbial Biology

Named Professors: R. R. Dunn, A. M. Grunden, L. Jaykus, R. M. Kelly; **Professors:** P. Arasu, D. T. Brown, J. W. Brown, M. S. Chinn, M. A. Cubeta, F. De Los Reyes, M. C. Flickinger, F. J. Fuller, H. M. Hassan, S. Hu, M. Hyman, S. Kathariou, S. M. Laster, H. Liu, J. M. Mackenzie, C. C. Melander, E. S. Miller, I. T. Petty, B. Sherry; **USDA Professors:** F. Breidt; **Adjunct Professors:** D. van der Lelie; **Emeritus Professors:** W. J. Dobrogosz, G. H. Elkan, W. E. Kloos, G. Luginbuhl, P. E. Orndorff, L. W. Parks, J. C. Shih; **Emeritus Named Distinguished University Professors:** T. R. Klaenhammer; **Associate Professors:** R. Barrangou, C. Beisel, J. M. Bruno-Barcena, S. B. Carson, R. A. Ghiladi, P. T. Hamilton, M. E. Jacob, M. D. Koci, C. Lanzas, J. W. Olson, F. Scholle, M. L. Sikes, S. Thakur, G. J. Williams, J. A. Yoder; **USDA Associate Professors:** R. G. Upchurch; **Emeritus USDA Professors:** P. E. Bishop; **Adjunct Associate Professors:** W. M. Casey, J. M. Ligon, S. H. Shore; **Assistant Professors:** J. R. Elfenbein, J. E. Fogle, E. Gutierrez Rodriguez, M. Kleiner, J. G. Pierce, C. M. Theriot; **USDA Assistant Professors:** I. M. Perez Diaz; **Adjunct Assistant Professors:** J. L. Stephenson; **Teaching Assistant Professors:** C. C. Goller, M. E. Taveirne

Microbiology is an integral part of the life science and biotechnology disciplines across the North Carolina State University campus. The Microbiology Graduate Program involves research and education in laboratories and departments that form inter-disciplinary teams to address critical, global challenges for science and society. The MGP (<http://harvest.cals.ncsu.edu/microbiology/>) offers courses of study and research leading to the Ph.D., M.S., Master of Microbiology (M.M.) and Master of Microbial Biotechnology (M.M.B.) degrees.

The research-based degrees (M.S and Ph.D.) offered by the program are designed to prepare students for careers in academic, industrial or research institute settings. Course offerings for Microbiology research students focus on microbial genetics and physiology, bioprocessing and fermentation, biotechnology, virology, immunology and host-pathogen interactions. Research throughout the program is diverse, emphasizing most areas where microbes, viruses and systems biology have relevance to basic science and biotechnology. Research opportunities for students involve many areas of specialization including biofuels, bioremediation, environmental microbiology, antibiotic resistance, extremophiles, bacterial pathogens, probiotics, developmental epigenetics, bacteriophages, inflammation modulation and viral pathogenesis; the list is long and broad. Financial support for study towards Ph.D. and M.S. degrees is limited, but can be available in the form of teaching/research assistantships and competitive fellowships.

The non-research-based Masters of Microbial Biotechnology (MMB) is a Professional Science Masters degree that combines concentrations in Microbiology, Business and Biotechnology. This degree is specifically designed to prepare students for positions in the biotechnology, biopharmaceutical and agrobusiness industries. The program includes courses that involve semester-long interactions with local biotechnology companies as well as foundational courses in microbiology, business management and molecular biology. The M.M. degree is a rigorous non-thesis degree that is designed for students who want a higher degree in microbiology but do not want to conduct research or are unable to commit to the time demands of a research degree. Many students in the M.M. program either work for local employers or are interested in subsequent applications to professional schools. Financial support is extremely limited for either M.M.B or M. M. students.

Admission Requirements: Applications are invited from individuals holding B.S. or M.S. degrees in the physical and life sciences. Applications should be received in the department before January 15 to be considered for Fall semester

admission. The Graduate Record Exam (GRE) is required and should be taken sufficiently early so that scores can be submitted and evaluated along with the application. Other requirements include all relevant transcripts, three letters of recommendation and a personal statement that describes the applicant's academic and career goals as well as their area of interest.

Master's Degree Requirements: The Master of Science (M.S.) requires 30 credit hours, of which 18 must be graded, a written thesis and at least one semester of laboratory teaching experience. The Master of Microbial Biotechnology (M.M.B.; <http://harvest.cals.ncsu.edu/master-of-microbial-biotechnology/mmb/>) degree requires 40 credit hours and four semesters involvement in an Industry Case Studies course, as well as a summer industry internship. This program also can be combined with a Master of Business Administration (M.B.A.) offered through the College of Management. The Master of Microbiology (M.M.) requires 30 credit hours, of which 18 must be graded, but has no requirement for a written thesis or laboratory instruction).

Doctoral Degree Requirements: The Ph.D. program (<http://harvest.cals.ncsu.edu/microbiology/>) is designed for individuals desiring to pursue careers in research and/or teaching. Prospective Ph.D. and M.S. students should become aware of departmental research programs and faculty so that an area of specialization is indicated in the application materials (personal statement). A faculty dissertation advisor and laboratory research program are confirmed at admission or by the end of the first semester. In conjunction with the advisor, the student establishes a four-member faculty advisory committee to guide the research and academic program. At least one semester of teaching assistance / experience is required. A preliminary examination is held soon after completing the second year of study, and the final examination includes a seminar presented by the candidate that is open to the university community.

Student Financial Support: All Ph.D. and M.S. applications to the Microbiology Graduate Program are considered for available assistantships. For highly qualified students, supplemental funds are frequently available. There is limited funding available for international students given the structure of the NC State University Graduate Student Support Plan.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Natural Resources

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Natural Resources				Y		Y		

GRADUATE FACULTY

Directors of Graduate Programs:

E. H. Bressler, Box 7701, 919/515-5333, gene_bressler@ncsu.edu, Landscape Architecture
T. H. Shear, Box 8008, 919/515-7794, ted_shear@ncsu.edu, Forestry and Environmental Resources
T. J. Smyth, Box 7620, 919/515-2838, jot_smyth@ncsu.edu, Crop and Soil Sciences
Y. Leung, Box 7106, 919/513-3489, leung@ncsu.edu, Parks, Recreation and Tourism Management

Named Professors: R. C. Abt; **Named Distinguished Professors:** M. J. Vepraskas; **Professors:** A. Amoozegar, J. N. Bocarro, F. W. Cubbage, M. F. Floyd, D. J. Frederick, B. Goldfarb, J. L. Havlin, G. R. Hess, F. Isik, S. Khorram, Y. Leung, R. K. Meentemeyer, S. C. Nelson, E. G. Nichols, M. N. Peterson, J. P. Roise, R. M. Scheller, C. D. Siderelis, E. O. Sills, T. J. Smyth; **Adjunct Professors:** T. A. Steelman, J. M. Vose; **Emeritus Professors:** K. A. Henderson, H. J. Kleiss, M. G. Waggoner, W. E. Winner; **Associate Professors:** C. E. Barbieri, G. B. Blank, K. M. Boone, G. L. Brothers, J. A. Delborne, M. B. Edwards, R. E. Emanuel, A. A. Fox, C. Galik, D. W. Hazel, M. V. Katti, F. H. Magallanes, D. B. Morais, E. L. Seekamp, T. H. Shear, C. G. Vick; **Emeritus Associate Professors:** R. L. Moore, S. T. Warren; **Assistant Professors:** M. L. Ardon Sayao, R. L. Cook, B. B. Cutts, J. A. Forrester, J. M. Gray, L. R. Larson, Z. H. Leggett, K. Martin, L. Rivers, K. T. Stevenson; **Adjunct Assistant Professors:** M. Addor, J. W. Smith; **Extension Professors:** M. A. Megalos; **Teaching Assistant Professors:** L. G. Tateosian

The natural resources program is an interdepartmental program designed to prepare students for positions in both private and public natural resource organizations. A selection of technical options couple core courses in natural resources issues and management with a series of related courses in a variety of related technical disciplines. The purpose of the natural resources core curriculum is to educate professionals at a Master's level who are well-versed in policy and regulation and who have skills in quantitative assessments. Currently approved technical options include: assessment and analysis, ecological restoration, economics and management, policy and administration, international resources, hydrology, and geographic information systems in the Department of Forestry and Environmental Resources; outdoor recreation management in the Department of Parks, Recreation and Tourism Management; and landscape architecture in the Department of Landscape Architecture. Each option is available as either the M.S. in NR or as the non-thesis Master of NR.

Admissions Requirements: Students should have an undergraduate degree in natural resources or a related field. Experience in natural resources management and administration will be considered in lieu of an appropriate undergraduate degree. Admission is contingent upon meeting departmental requirements and acceptance by an advisor.

Master's Requirements: The M.S. degree requires a research thesis based on completion of a research project. The Master of NR degree requires a practical project which develops and demonstrates problem-solving skills. Students enrolled in the Department of Forestry and Environmental Resources must take FOR 603 in the first or second semester. The minimum number of credit hours varies by technical option, but is generally 36 credit hours including research or project credits and core courses.

Core Courses (10 credit hours)

NR 500 Natural Resource Management
NR 571 Current Issues in Natural Resource Policy
ST 5** Graduate-level statistics course

Departmental seminar

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Nuclear Engineering

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Nuclear Engineering	Y			Y		Y		

GRADUATE FACULTY

K. N. Ivanov, *Department Head*

Directors of Graduate Programs:

K. L. Murty, Box 7909, 919/515-3657, murty@ncsu.edu, Nuclear Engineering

S. C. Shannon, Box 7909, scshanno@ncsu.edu, Nuclear Engineering

Distinguished Professors: Y. Y. Azmy, D. Kropaczek; ***Distinguished University Professors:*** J. G. Gilligan; ***Professors:*** B. Bhattacharyya, M. A. Bourham, N. T. Dinh, J. M. Doster, R. P. Gardner, A. Gupta, T. Hassan, A. I. Hawari, K. N. Ivanov, K. L. Murty, P. J. Turinsky; ***Research Professors:*** B. W. Wehring; ***Adjunct Professors:*** S. M. Bragg-Sitton, R. R. Pemper, G. Tryggvason, R. W. Youngblood; ***Emeritus Professors:*** D. J. Dudziak, V. C. Matzen, K. Verghese; ***Associate Professors:*** D. Y. Anistratov, M. N. Avramova, I. A. Bolotnov, J. Eapen, R. B. Hayes, D. Kaoumi, J. K. Mattingly, S. C. Shannon; ***Adjunct Associate Professors:*** E. M. Brubaker, P. A. Hausladen, M. F. Simpson, M. H. Stokely; ***Assistant Professors:*** K. Stapelmann, G. Yang; ***Research Assistant Professors:*** J. Hou; ***Adjunct Assistant Professors:*** B. R. Grogan, J. Li, I. Meric, S. Schunert, L. G. Worrall; ***Teaching Associate Professors:*** S. P. Palmtag

The discipline of nuclear engineering is concerned with the development of nuclear processes for energy production and with the applications of radiation for the benefit of society. Representative topics of investigation include analytical, computational and experimental research in the neutronics, materials, thermal-hydraulics and control aspects of fission reactors; radiation detection and measurement of basic physics parameters; nuclear safety and security; applications of radioisotopes and radiation in industry, medicine and science; and plasma science, plasma engineering and design aspects of fusion reactors.

Admission Requirements: Bachelor's degree graduates in any of the fields of engineering or physical sciences may be qualified for successful advanced study in nuclear engineering. Prior experience or course work in nuclear physics, partial differential equations and basic reactor analysis is helpful but may be gained during the first year of graduate study. GRE scores (general test) are needed for on-campus graduate study.

Master's Degree Requirements: A total of 30 credit hours (at least nine semester hours of interdisciplinary breadth and 21 Nuclear Engineering) is required for both the M.S. and MNE degrees. An engineering project is required for the MNE degree and a formal thesis is required for the M.S. degree.

Doctoral Degree Requirements: A total of 72 credit hours which includes a minor (at least 12 hours) is required. Students must pass a departmental qualifying exam in three core areas of nuclear engineering, and they can (if they so choose and if their advisor approves) prepare for the exam by enrolling during their first year in three corresponding graduate courses comprising radiation fundamentals, reactor engineering, and radiation detection. Students who already earned a masters degree may count some of their credits towards the required PhD hours; consult <grad manual posted online> for details.

Student Financial Support: Teaching assistantships, research assistantships, and fellowships are available for qualified applicants. Opportunities are also available for graduate traineeships with utility companies, reactor and fuel vendors, and national laboratories providing a valuable combination of financial support and learning in the classroom, the research laboratory and on the job.

Other Relevant Information: The department has many excellent facilities including the one-megawatt PULSTAR fission reactor (soon to be uprated to 2MW), ultra cold neutron source, intense low-energy positron source, neutron scattering facility, neutron radiography unit, neutron activation analysis laboratory, nuclear materials laboratory, plasma laboratories, instrumentation and controls equipment, radiation analyzers and tomography systems, Generic PWR simulator and access to extensive computer facilities ranging from workstations to a supercomputer.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Nutrition

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Nutrition	Y			Y		Y		

GRADUATE FACULTY

Directors of Graduate Programs:

J. C. Allen, Box 7624, 919/513-2257, jon_allen@ncsu.edu, Food, Bioprocessing, and Nutrition Sciences

L. S. Goodell, Box 7624, lsgoodel@ncsu.edu, Food, Bioprocessing, and Nutrition Sciences

Named Distinguished Professors: J. T. Brake, P. R. Ferket, J. Odle; **Distinguished Professors:** M. Lila; **Professors:** J. C. Allen, K. E. Anderson, S. L. Ash, C. Dunn, J. Eisemann, V. Fellner, M. G. Ferruzzi, J. L. Grimes, S. Kathariou, S. W. Kim, J. A. Knopp, J. A. Moore, P. E. Mozdziak, E. O. Oviedo-Rondon, M. H. Poore, P. D. Siciliano, R. C. Smart, E. VanHeugten; **USDA Professors:** V. D. Truong; **Adjunct Professors:** E. A. Koutsos; **Emeritus Professors:** B. P. Alston-Mills, L. W. Aurand, L. C. Boyd, L. S. Bull, E. V. Caruolo, G. L. Catignani, W. J. Croom, J. D. Garlich, W. M. Hagler, R. W. Harvey, W. L. Johnson, J. R. Jones, C. J. Lackey, J. Luginbuhl, J. W. McClelland, S. J. Schwartz, J. C. Shih, L. W. Whitlow; **Emeritus Distinguished Professors:** H. E. Swaisgood; **Associate Professors:** L. S. Goodell, G. K. Harris, C. D. Kay, M. D. Koci, S. Komarnytsky, C. Maltecca, S. E. Phillips; **Adjunct Associate Professors:** R. J. Harrell, C. R. Stark, O. T. Toomer; **Assistant Professors:** A. Fogleman, M. Iorizzo, K. A. Livingston, C. L. Pickworth, C. D. Stevenson; **USDA Assistant Professors:** O. T. Toomer; **Adjunct Assistant Professors:** S. Sang; **Teaching Associate Professors:** C. V. Jordan; **Teaching Assistant Professors:** K. D. Ange-Van Heugten

The Interdepartmental Nutrition Program consists of faculty from multiple departments, including: Animal Science; Agricultural and Human Sciences; Food, Bioprocessing, and Nutrition Sciences; and the Prestage Department of Poultry Science. Students reside and conduct research in one of these departments under the direction of an appropriate advisor. Research in the nutrition program may be conducted with a variety of species and at various levels, such as molecular, cell, whole animal, and human communities. Research programs are primarily in the area of nutritional biochemistry, experimental animal nutrition (e.g. horses, ruminants, swine, poultry, rodents, and other species), or community nutrition and public health. Graduates find employment in academia, government, industry, and non-profit organizations, or continue their education in medical and allied health fields.

Admission Requirement: To be considered for admission, a student should have a B.S. or M.S degree, preferably in a science-related area. Additionally, applicants must have course work in biology and organic chemistry to be considered for admission. Students for M.S. or Ph.D. should contact and be recommended by a prospective major faculty advisor in their area of interest prior to final admission. Applicants to the Master of Nutrition should indicate their preferences for: on-campus or Distance Education delivery; an emphasis in animal, poultry, or food science (human) nutrition; core science or Professional Science Masters (PSM); and within the PSM, Feed Science or Human Nutrition.

Master's Degree Requirements: A minimum of 30 course credit hours, including a thesis is required for M.S., 36 for Master of Nutrition. The Master of Nutrition has options for all course delivery by Distance Education, with emphases in Feed Science or Human Nutrition, and an option for course work that qualifies as a Professional Science Master's degree.

Doctoral Degree Requirements: A minimum of 72 credit hours, including a dissertation for Ph.D. Students must complete core courses, including: Energy Metabolism, Protein and Amino Acid Metabolism, Vitamin Metabolism, and Mineral Metabolism.

Student Financial Support: Assistantships and fellowships may be available for M.S. and Ph.D. students on a competitive basis from the departments in which the advisor resides. Admission does not guarantee availability of

financial support.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Operations Research

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Operations Research	Y			Y		Y		

GRADUATE FACULTY

Director of Graduate Programs:

M. G. Kay, Box 7906, 919/515-2008, kay@ncsu.edu, Industrial Engineering

Named Professors: S. Fang, C. T. Kelley, R. E. King; **Named Distinguished Professors:** H. S. Heese, R. Uzsoy, Z. Zeng; **Named Distinguished University Professors:** R. B. Handfield, T. J. Hodgson, M. Rappa; **Distinguished Professors:** J. L. Swann, M. A. Vouk; **Named Distinguished Professor:** M. Liu; **Professors:** J. W. Baugh, B. Bhattacharyya, E. D. Brill, S. L. Campbell, Y. Fathi, R. E. Hartwig, P. L. Hersh, I. Ipsen, K. Ito, J. S. Ivy, J. A. Joines, Z. Li, G. F. List, L. A. Martin, M. E. Mayorga, N. G. Medhin, A. Nilsson, H. G. Perros, S. Ranjithan, J. P. Roise, G. Rouskas, N. F. Samatova, C. D. Savage, M. P. Singh, R. C. Smith, M. F. Stallmann, W. J. Stewart, H. T. Tran, I. Viniotis, W. Wang, J. R. Wilson, F. Wu, D. V. Zenkov; **Research Professors:** B. L. Edge, D. L. Lubkeman; **Adjunct Professors:** J. T. Betts, M. Devetsikiotis, S. M. Hsiang; **Emeritus Named Professors:** S. D. Roberts, M. W. Suh; **Emeritus Professors:** R. H. Bernhard, J. W. Bishir, P. Bloomfield, J. C. Dunn, H. J. Gold, D. M. Holthausen, D. F. McAllister, C. Meyer, K. H. Pollock, J. R. Stone, R. E. Young; **Associate Professors:** K. A. Barletta, R. Y. Chirkova, J. F. DeCarolus, S. Ghoshal, M. J. Kang, M. G. Kay, E. Kemahlioglu-Ziya, Y. Liu, N. Lu, T. Pang, T. W. Reiland, C. E. Smith, D. P. Warsing; **Research Associate Professors:** J. Taheri; **Adjunct Associate Professors:** B. Denton, T. Yu; **Emeritus Associate Professors:** T. L. Honeycutt, J. S. Scroggs; **Assistant Professors:** J. J. Adams, O. Y. Ozaltin, D. Papp; **Adjunct Assistant Professors:** A. R. de Queiroz; **Teaching Professors:** H. L. Nuttle

Operations Research (OR) is a graduate program of an interdisciplinary nature, governed by an administrative board and the program committee, and administered through the office of the program director.

Admission Requirements: Applications are accepted from undergraduate majors in all technical disciplines. Applicants should have had at least four math courses beyond calculus (e.g., courses in differential equations, linear algebra, probability and statistics, and mathematical analysis). Knowledge of a computer programming language is recommended, but not required. GRE scores are required of all new applicants.

Master's Degree Requirements: The Master of Operations Research degree is a terminal graduate degree for students who seek careers as OR practitioners in either the private or public sector. The M.S. degree is designed to prepare students for careers in research and development.

Doctoral Degree Requirements: The Ph.D. degree is intended for students to be research scientists in industry or teachers and researchers in academia. This degree requires a minimum of 72 hours of graduate credit beyond the bachelor's degree, including coursework in major and minor areas of concentration together with credit for doctoral research and dissertation preparation. A departmental written qualifying examination is required. For students who have completed a Master's degree from another institution prior to joining the Ph.D. program, a minimum of 54 hours of additional graduate credit are required. Please consult the [Operations Research website](#) for more details of degree requirements.

Student Financial Support: Both teaching and research assistantships are available to qualified applicants. Award priority is given to Ph.D. then M.S. applicants. Outstanding students who are U.S. citizens and who shall be enrolled in the NC State Graduate School for the first time are eligible for the Engineering Dean's Graduate Fellowship Program.

Click on [Graduate Courses](#) for current course information.

Parks, Recreation and Tourism Management

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Parks, Recreation, and Tourism Management	Y			Y		Y		

GRADUATE FACULTY

M. F. Floyd, *Department Head*

Director of Graduate Programs:

Y. Leung, Box 7106, 919/513-3489, leung@ncsu.edu, Parks, Recreation and Tourism Management

Professors: J. N. Bocarro, M. F. Floyd, M. A. Kanters, Y. Leung, R. K. Meentemeyer, M. N. Peterson, C. D. Siderelis; **Adjunct Professors:** T. A. Steelman; **Emeritus Professors:** H. A. Devine, K. A. Henderson; **Associate Professors:** A. Attarian, C. E. Barbieri, G. L. Brothers, J. M. Casper, M. B. Edwards, J. A. Hipp, D. B. Morais, E. L. Seekamp, C. G. Vick; **Emeritus Associate Professors:** L. D. Gustke, R. L. Moore; **Assistant Professors:** K. S. Bunds, B. B. Cutts, W. G. Knollenberg, L. R. Larson, K. Lee, K. T. Stevenson, J. Vukomanovic; **Adjunct Assistant Professors:** S. A. Rich, J. W. Smith; **Teaching Associate Professors:** K. A. Bush, E. K. Lindsay; **Teaching Assistant Professors:** L. G. Tateosian, R. W. Wade

The Doctoral degree allows students to match their particular research interests and career aspirations with departmental research activities and faculty expertise. The primary areas of interest for students include health and well-being, human dimensions of the natural and built environment, sustainable and equitable tourism, and geospatial methods and modelling with a substantive area of study in another discipline.

The Master's degree provides students the opportunity to develop and enhance their critical understanding of both the conceptual foundations of parks, recreation and tourism management and the procedures of systematic inquiry and critical problem solving as applied to planning and management issues. The department offers educational opportunities and resources for the preparation of professionals concerned with planning, organizing, managing and directing parks, recreation, sport, and tourism programs, areas, and facilities. [Several Master's Degree options](#) are available: MS in Parks, Recreation and Tourism Management, MS in Natural Resources-Outdoor Recreation Technical Option, Master of Natural Resources (MNR)-Outdoor Recreation Technical Option (non-thesis), and Online Professional Master of Parks, Recreation, Tourism and Sport Management (MPRTSM) (non-thesis). The Department also administers the Graduate Certificate in Sport and Entertainment Venue Management.

The general emphasis areas at the Master's level include: parks and recreation management, tourism development and management, geographic information systems, recreational sport management, and natural resource recreation management. The MS-NR and MNR (Outdoor Recreation Technical Option) develops the knowledge and skills needed for planning and managing natural resource-based outdoor recreation opportunities and resources. The online MPRTSM degree provides students with a solid professional and business education designed to advance their career development in parks, recreation, tourism, and sport industries. The online degree program operates on a cohort model and admits students in fall and spring semester.

Doctoral Degree Requirements: Although each doctoral course of study will be unique to the individual student, the usual course of study will include a minimum of 54 hours beyond the Master's. These credit hours are distributed among the core courses, statistics and research methods, a minor or substantive area consisting of 15 hours of course work approved by the student's faculty advisor, and the dissertation. Students are expected to have completed a Master's degree, preferably one with a thesis. Students without research experience will have to demonstrate an ability to produce scholarly work in PRTM.

Master's Degree Requirements: Each Master's Degree has [specific requirements](#). The minimum credit hours range from 30 for MS in PRTM Degree, to 34 for MNR-Outdoor Recreation Technical Option Degree. Doctoral and M.S. application deadline is February 15 for both U.S. and international students. Online Degree-MPRTSM application deadline is May 15.

Student Financial Support: Graduate assistantships and internships are available to students in this program on a competitive basis.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Physics

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Physics	Y			Y				

GRADUATE FACULTY

P. R. Huffman, *Department Head*

Director of Graduate Programs:

D. E. Aspnes, Box 8202, 919/515-4261, aspnes@ncsu.edu, Physics

Named Professors: J. Bernholc; **Named Distinguished Professors:** D. W. Brenner, Z. Sitar; **Distinguished Professors:** F. So; **Distinguished University Professors:** D. E. Aspnes; **Professors:** H. Ade, R. J. Beichner, J. M. Blondin, J. D. Brown, M. T. Chu, L. I. Clarke, K. E. Daniels, W. L. Ditto, M. J. Escuti, R. E. Fornes, R. Golub, D. G. Haase, H. D. Hallen, P. R. Huffman, C. R. Ji, K. W. Kim, R. M. Kolbas, H. Krim, J. Krim, G. C. McLaughlin, L. Mitas, J. F. Muth, R. J. Nemanich, M. Paesler, M. Pasquinelli, S. P. Reynolds, R. Riehn, C. M. Roland, M. C. Sagui, T. M. Schaefer, J. E. Thomas, K. R. Weninger, Y. G. Yingling, A. R. Young; **Research Professors:** K. Borkowski, C. R. Philbrick, J. E. Rowe, B. A. Sherwood, J. W. York; **Adjunct Professors:** U. Agvaanluvsan, M. Buongiorno-Nardelli, J. L. Hubisz, D. J. Lee, P. J. Reynolds, J. Schwartz; **Emeritus Professors:** R. W. Chabay, K. T. Chung, J. W. Cook, S. Cotanch, W. R. Davis, D. C. Ellison, R. E. Fornes, G. L. Hall, K. L. Johnston, G. H. Katzin, F. Lado, G. E. Mitchell, R. R. Patty, P. J. Stiles, D. R. Tilley; **Emeritus Distinguished Professors:** G. Lucovsky; **Associate Professors:** L. Cao, D. B. Dougherty, C. Frohlich, K. Gundogdu, D. L. Irving, J. P. Kneller, M. Unsal, H. Wang; **Research Associate Professors:** J. H. Kelley, W. Lu; **Adjunct Associate Professors:** P. E. Garrett, D. Lazzati; **Emeritus Associate Professors:** G. C. Cobb, G. W. Parker; **Assistant Professors:** M. W. Elting, M. P. Green, F. L. Hunte, A. Kemper, D. P. Kumah, S. Lim, R. L. Longland, D. Sun; **Research Assistant Professors:** J. R. Bochinski, A. G. Dinku; **Adjunct Assistant Professors:** B. R. Conrad; **Teaching Professors:** B. I. Fortner

Research opportunities in theoretical/computational physics are available in astrophysics, biomolecular simulations, chaos, condensed matter, nanoscience/nanomaterials, nuclear/particle physics, and relativity. Research opportunities in experimental physics are available in astronomy, atomic and molecular physics, biophysics, emergent phenomena, materials physics, nanoscale science, nonlinear systems, nuclear and particle physics, optics, soft-condensed-matter physics and technology, Surface Physics, and synchrotron radiation research.

Admission Requirements: Bachelor's degree in physics or equivalent and related. General GRE and the GRE Physics subject test are recommended for many candidates, but not required.

Master's Degree Requirements: A minimum of 30 credit hours beyond the Bachelor's degree; demonstrated mastery of aspects of the physics curriculum. Thesis and non-thesis options.

Doctoral Degree Requirements: Seventy-two (72) credit hours beyond the Bachelor's degree; demonstrated mastery of core physics curriculum:

PY721, PY782, PY783 and PY785; pass an oral preliminary exam, prepare a dissertation, and an oral final defense.

Student Financial Support: Graduate teaching assistantships are available for new and continuing students. Research assistantships are available to continuing students and occasionally to new students. More than 95% of students are supported by assistantships.

Click on [Graduate Courses](#) for current course information.

Physiology

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Physiology				Y		Y		

GRADUATE FACULTY

Director of Graduate Programs:

P. E. Mozdziak, Box 7608, 919/515-5544, paul_mozdziak@ncsu.edu, Poultry Science

Named Professors: W. L. Flowers, H. B. Patisaul; **Named Distinguished Professors:** J. T. Brake, J. Odle, R. Roe; **Professors:** G. W. Almond, K. E. Anderson, C. M. Ashwell, B. L. Black, A. T. Blikslager, R. J. Borski, T. T. Brown, P. A. Curtis, D. C. Dorman, F. W. Edens, K. L. Esbenshade, C. E. Farin, J. E. Gadsby, J. L. Gookin, S. L. Jones, S. W. Kim, H. Liu, K. M. Meurs, P. E. Mozdziak, J. N. Petite, R. M. Petters, P. D. Siciliano, G. W. Smith; **Adjunct Professors:** J. B. Golden, E. A. Koutsos, D. W. Threadgill; **Emeritus Professors:** W. J. Croom, R. M. Grossfeld, H. F. Heatwole, T. E. Levere, J. F. Roberts, M. C. Roberts, T. D. Siopes, H. A. Underwood, S. P. Washburn, T. G. Wolcott; **Associate Professors:** L. B. Borst, B. A. Breuhaus, J. M. Bruno-Barcena, T. Ghashghaei, M. D. Koci, C. Maltecca, M. Niedzlek-Feaver, S. E. Phillips, M. Rodriguez-Puebla, J. A. Yoder; **Research Associate Professors:** H. Gracz; **Adjunct Associate Professors:** A. J. Moeser; **Emeritus Associate Professors:** M. D. Whitacre; **Assistant Professors:** K. A. Livingston, J. E. Meitzen; **Teaching Associate Professors:** J. L. Lubischer, S. Trivedi; **Teaching Assistant Professors:** E. B. Bohorquez

The Physiology Graduate Program is an interdisciplinary and interdepartmental program comprising faculty drawn from across the University. An advanced degree in Physiology is highly valued by the scientific community and can lead to careers in research and teaching in academia, industry and government laboratories, public policy and consulting. Research is carried out using a variety of model organisms, laboratory and companion and agriculturally important species.

Admission Requirements: Students entering the graduate program in Physiology should have a Bachelor's degree in a related biological or physical science. Undergraduate courses should include Physiology, Biochemistry, Organic Chemistry, Calculus, and Physics. Each application package will be screened by the Admissions Committee. Factors considered for admission include: grade point average (3.0 is required for regular admission), GRE scores, undergraduate courses, letters of recommendation, and the willingness of a member of the Graduate Physiology faculty to serve as the applicant's advisor.

Master's Degree Requirements: All Master's students are required to complete PHY 503, PHY 504, BCH 553, and a one-credit hour course in research ethics. *Master of Science Degree:* For a Master of Science degree a minimum of 30 semester hours of graduate work in the degree program is required including a minimum of 20 hours of course work at the 500-800 level. On average, the M.S. degree takes two to three years to complete. *Master of Physiology Degree:* The non-thesis Master's degree (Master of Physiology) requires a total of 36 credits. The median time to degree completion is 1.75 years or less.

Student Financial Support: Financial assistance for qualified students in the form of research assistantships, fellowships and traineeships is available through participating departments only and not through the Physiology program for thesis-based students only.

Other Relevant Information: Graduate students enrolled as Physiology majors are housed in the department of their major professor and may participate in departmental activities.

Click on [Graduate Courses](#) for current course information.

Recommended Courses Normally Included in Programs of Study for the M.S. and Ph.D. Degrees and the Non-Thesis MOP Program: Other recommended/supporting courses are available through many departments, e.g. Animal Science, Biochemistry, Biomathematics, Biotechnology, Cell Biology, Comparative Biomedical Sciences, Entomology, Genetics, Immunology, Microbiology, Nutrition, Pharmacology, Poultry Science, Psychology, Statistics, Toxicology, and Zoology, and may be included for consideration in the plan of work.

[NCSU Graduate Catalog](#)

Plant Biology

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Botany	Y			Y		Y		
Plant Biology	Y			Y		Y		

GRADUATE FACULTY

R. G. Franks, *Department Head*

Director of Graduate Programs:

R. L. Blanton, Box 7612, 919/513-2181, larry_blanton@ncsu.edu, Plant and Microbial Biology

Named Professors: J. M. Alonso, R. E. Dewey, A. M. Grunden, J. B. Ristaino, T. W. Rufty; **Named Distinguished Professors:** R. S. Boston, J. M. Burkholder, M. E. Daub, L. K. Hanley-Bowdoin; **Distinguished University Professors:** W. F. Thompson; **Professors:** R. L. Blanton, R. G. Franks, C. H. Haigler, W. A. Hoffmann, S. Hu, J. E. Mickle, R. Qu, H. A. Sederoff, T. R. Wentworth, R. W. Whetten, Q. Xiang, D. Xie; **Research Professors:** I. Y. Perera; **USDA Professors:** K. O. Burkey; **Adjunct Professors:** C. S. Brown; **Emeritus Named Professors:** W. F. Boss; **Emeritus Professors:** N. S. Allen, U. Blum, E. Davies, R. C. Fites, J. W. Hardin, J. M. Stucky, J. F. Thomas, C. G. VanDyke, E. A. Wheeler; **Associate Professors:** S. B. Carson, S. Komarnytsky, A. Krings, X. Li, T. A. Long, M. Pierce; **Emeritus USDA Professors:** W. W. Heck; **Emeritus Associate Professors:** H. V. Amerson; **Assistant Professors:** C. J. Doherty, T. Hsieh, S. N. Sheth, R. Sozzani, A. N. Stepanova; **Research Assistant Professors:** C. H. Saravitz; **Teaching Associate Professors:** C. V. Jordan; **Teaching Assistant Professors:** J. M. De Gezelle

Course offerings or research facilities are available in the following areas: plant cell biology, cellular imaging, cellulose biology, cellular signaling, plant development, plant hormones, epigenetics, plant systems biology, plant genetic engineering, transgene regulation and silencing, stress biology, chemical genomics, plant gravitational genomics, phytochemistry, metabolic engineering, plant-microbe interactions, aquatic ecology, toxic dinoflagellates, endangered species, plant community ecology, physiological ecology, tropical ecology, evolutionary ecology, paleobotany, plant systematics, evolution of flowering plants, and ethnobotany.

Admission Requirements: Students entering the graduate program in plant biology should have a bachelor's degree in plant biology or a related undergraduate program that includes biological, physical and mathematical science training including undergraduate courses in organic chemistry, calculus and genetics, as well as biology. All applications are screened by a departmental committee, and the best qualified applicants will be accepted until all available spaces are filled.

Master's and Doctoral Degree Requirements: The M.S. requires a total of 30 credit hours (20 of the 30 credit hours must be from 500-, 600-, 700/800-level courses; 18 credit hours must be letter graded); the Master of Plant Biology requires a total of 36 credit hours. The Ph.D. requires a total of 72 credit hours. Two core courses (Functional Plant Biology and either Plant Functional Ecology or Systematic Botany) are required. Other requirements include: a Plant Biology Colloquium, Plant Anatomy, an additional plant biology course, a graduate statistics course, a graduate ethics course, a thesis (for the Ph.D. and M.S., but not the Master of Plant Biology), a comprehensive examination (Ph.D.), oral thesis defense and a one-semester teaching responsibility per degree. Students must maintain a "B" average in all course work.

Other Relevant Information: Graduate research and teaching assistantships and tuition remission information are available from the department. New students supported by departmental research/teaching assistantships may elect to rotate through three laboratories during their first semester. At the end of the semester, they will choose a laboratory for

their research activities consistent with their interests and available research projects. Provisions are available for cooperative research in more than one laboratory. Graduate students are expected to attend and participate in the seminar program every semester they are in residence. The department participates in training grants in biotechnology.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Poultry Science

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Poultry Science				Y		Y		

GRADUATE FACULTY

P. A. Curtis, *Department Head*

Director of Graduate Programs:

J. L. Grimes, Box 7608, 919/515-5406, jesse_grimes@ncsu.edu, Poultry Science

Named Distinguished Professors: J. T. Brake, P. R. Ferket; **Professors:** K. E. Anderson, C. M. Ashwell, D. K. Carver, P. A. Curtis, F. W. Edens, J. L. Grimes, H. M. Hassan, P. E. Mozdziak, E. O. Oviedo-Rondon, J. N. Petite, D. P. Wages; **Adjunct Professors:** M. Choct, J. B. Golden, J. K. Northcutt, W. B. Roush, S. M. Shane, Z. Uni; **Emeritus Professors:** T. A. Carter, V. L. Christensen, W. J. Croom, J. D. Garlich, W. M. Hagler, G. B. Havenstein, C. R. Parkhurst, B. W. Sheldon, J. C. Shih, T. D. Siopes, C. M. Williams; **Associate Professors:** R. B. Beckstead, M. T. Knauer, M. D. Koci; **Adjunct Associate Professors:** C. R. Stark, O. T. Toomer; **Assistant Professors:** A. C. Fahrenholz, K. A. Livingston; **USDA Assistant Professors:** O. T. Toomer; **Adjunct Assistant Professors:** D. S. Casey, Y. O. Fasina, J. V. Felts, A. G. Gernat, C. L. Heggen-Peay, R. O. Maguire, T. F. Middleton, M. H. Schwartz, C. J. Williams

Course offerings and research programs are comprehensive in the areas of physiology, nutrition, microbiology, molecular biology, biotechnology, food science, immunology, genetics, pathology, and toxicology. The demand for men and women with advanced training in poultry science is far greater than the supply. Opportunities exist for graduates in research and teaching in universities, government, and private industry.

Admission Requirements: Factors considered for admission include grade point average, strength of prior academic program, experience, letters of recommendation, and special skills or interests. GRE scores are required.

Master's Degree Requirements: While there are no specific course requirements for the master's degree in Poultry Science, most programs exceed the minimum 30 credit hours.

Doctoral Degree Requirements: See [Animal Science and Poultry Science](#).

Student Financial Support: Both research and teaching assistantships are available on a competitive basis within the department. General requirements for these assistantships are as described in the Graduate Catalog. Other financial support may be available in the form of graduate stipend supplementation, research grant support, or out-of-state tuition waivers in accordance with the University's Graduate Student Support Plan.

Other Relevant Information: The Department of Poultry Science occupies modern facilities in Scott Hall, a three-story building on the main campus adjacent to the D.H. Hill Library. The department consists of about 20 faculty, approximately 40 support staff, 25 graduate students and postdoctoral associates, and 100 undergraduate students.

For more information, visit the [Department of Poultry Science](#) website.

Click on [Graduate Courses](#) for current course information.

Psychology

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Psychology	Y			Y				

GRADUATE FACULTY

C. B. Mayhorn, *Department Head*

Director of Graduate Programs:

M. B. Wyer, Box 7650, mary_wyer@ncsu.edu, Psychology

Professors: R. Azevedo, L. E. Baker-Ward, J. P. Braden, L. L. Foster, D. J. Gillan, D. O. Gray, A. g. Halberstadt, M. E. Haskett, T. M. Hess, D. B. Kaber, C. B. Mayhorn, A. W. Meade, R. W. Nacoste, K. E. Stewart, E. N. Wiebe; **Clinical Professors:** N. S. Murr; **Adjunct Professors:** A. D. Hall, W. M. Wechsberg; **Emeritus Professors:** J. W. Cunningham, K. B. DeBord, D. W. Drewes, W. P. Erchul, D. O. Gray, J. W. Kalat, T. E. Levere, J. E. Luginbuhl, D. W. Martin, D. H. Mershon, J. J. Michael, A. C. Schulte, M. S. Wogalter; **Associate Professors:** J. C. Allaire, J. C. Begeny, C. C. Brookins, J. L. Burnette, S. B. Craig, S. L. Desmarais, D. Gruehn, A. C. McLaughlin, B. S. Mehlenbacher, C. S. Nam, S. D. Neupert, S. B. Pond, S. A. Stage, M. A. Wilson, M. B. Wyer; **Adjunct Associate Professors:** J. W. Fleenor; **Emeritus Associate Professors:** R. E. Mitchell; **Assistant Professors:** S. Cho, J. Feng, E. Hope, E. Kim, K. S. Mulvey, K. Norwalk, L. M. Widman; **Teaching Assistant Professors:** H. M. Njie, J. M. Simons-Rudolph

The Department of Psychology offers five courses of study (concentrations) leading to the Ph.D.: applied social and community psychology, human factors and applied cognition, industrial-organizational psychology, lifespan developmental psychology, and school psychology. An additional master's degree program is available for school psychology.

Admission Requirements: With the exception of the school psychology master's degree program, admitted students enter doctoral training programs. Applicants must be graduates of accredited institutions. Although a degree in psychology is not required, applicants must demonstrate that their academic backgrounds have prepared them for doctoral training in their specialty area. A strong academic record, competitive scores on the GRE (General Test) and three satisfactory letters of recommendation are required for admission. Research experience is important. Match of applicants' research interests with current faculty research is an important consideration. See <https://psychology.chass.ncsu.edu/graduate/apply.php> for additional information.

Master's Degree Requirements: The department offers the master's degree in school psychology; students in the other concentrations are admitted only to the doctoral program. Students completing the school psychology master's program are eligible for licensure as public school psychologists in North Carolina. The program requires a total of 60 credit hours, including two years of course work, a summer practicum program, and a full-time internship in the third year.

For students entering doctoral programs, the master's degree is awarded only in special circumstances, typically when a student in good standing chooses not to continue in the doctoral program.

Doctoral Degree Requirements: The graduate program for each doctoral student is determined in conjunction with the student's graduate advisory committee and tailored to the needs, interests, and accomplishments of the individual. Requirements vary across concentrations, but all doctoral plans of work include at least 72 credit hours. See <https://psychology.chass.ncsu.edu/graduate/> for information about requirements for different concentrations.

Student Financial Support: Many graduate students receive financial support in the form of teaching or research assistantships. All admitted applicants are considered for assistantships.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Public Administration

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Public Administration	Y					Y		

GRADUATE FACULTY

Directors of Graduate Programs:

B. L. Nowell, Box 8102, 517/377-0932, blnowell@ncsu.edu, Political Science

B. McDonald, Box 8102, bmcadona@ncsu.edu, Political Science

J. D. Coggburn, Box 8102, 919/515-1888, jcoggburn@ncsu.edu, Political Science

Professors: T. A. Birkland, R. M. Clerkin, J. D. Coggburn, D. M. Daley, G. D. Garson, J. Kuzma, B. L. Nowell;

Emeritus Professors: C. K. Coe; ***Associate Professors:*** R. M. Berry-James, J. R. Brunet, C. Galik, B. McDonald, J. E. Swiss; ***Emeritus Associate Professors:*** M. L. Vasu; ***Assistant Professors:*** J. A. Coupet, J. C. Diebold, R. J. Reardon, A. J. Stewart; ***Teaching Assistant Professors:*** T. A. Appling, D. L. Weisel

Public Administration students at NC State are prepared for a career in public service. They will develop the leadership tools and knowledge they need to serve, manage and lead public or nonprofit organizations or to conduct cutting-edge academic research.

Admission Requirements: A list of required application documents can be found on the [Public Administration page](#). The deadline to apply to the MPA program is May 15 (March 1 for International applicants) for Fall admission and November 1 (March 1 for International applicants) for Spring admission. The deadline to apply to the Ph.D. program is March 15 (March 1 for International applicants) for Fall admission. Completed applications received by February 1 will receive consideration for all available university and department scholarships and assistantships.

Master's Degree Requirements: The MPA degree requires the completion of 40 graduate credit hours:

- 24 credit hours of core coursework
- 18 credit hours of elective coursework
- Students lacking the equivalent of one year of full-time public service experience must complete a 3 credit hour internship as part of their elective coursework.

Prerequisites for the program are an undergraduate course in microeconomics and an intermediate statistics (equivalent to ST 311) course. Students who do not have one or both of these prerequisite courses must successfully complete equivalent coursework prior to graduation. The MPA is an Option B Master's degree with a one-person committee and no final oral examination. Details on the degree requirements can be found on the [Master of Public Administration page](#).

The MPA program offers elective coursework in public management, nonprofit management, urban management, financial management, organizational leadership, public policy and justice administration.

Doctoral Degree Requirements: The Ph.D. degree requires the completion of 72 graduate credit hours:

- 60 credit hours of coursework (18 hours of relevant graduate credit from a prior Master's degree may be used; total degree hours must include at least 36 hours at the doctoral level)
- 12 credit hours of dissertation research

Details on the degree requirements can be found on the [Ph.D. in Public Administration page](#).

Each student will select or develop one or two fields of specialization.

Student Financial Support: A limited number of fellowships and graduate assistantships are offered by the

Department of Public Administration. Contact the Department for more information. Other forms of student aid are described in the financial aid section of the Graduate Catalog.

Other Relevant Information: The Department of Public Administration also offers Graduate Certificates in Public Policy and Nonprofit Management, either of which can be taken alone or in conjunction with a graduate degree.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Science, Technology, Engineering, and Mathematics Education

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Learning and Teaching in STEM	Y							

GRADUATE FACULTY

Directors of Graduate Programs:

K. F. Hollebrands, Box 7801, kfholleb@ncsu.edu, Science, Technology, Engineering, and Mathematics Education

M. R. Blanchard, Box 7801, meg_blanchard@ncsu.edu, Science, Technology, Engineering, and Mathematics Education

Named Distinguished University Professors: J. Confrey; **Professors:** A. Clark, M. J. Fleener, K. F. Hollebrands, M. G. Jones, H. S. Lee, L. V. Stiff, K. C. Trundle, E. N. Wiebe; **Associate Professors:** M. R. Blanchard, S. J. Carrier, K. A. Keene, S. Park; **Assistant Professors:** C. Delgado, C. D. Denson; **Adjunct Assistant Professors:** P. P. Carpenter; **Teaching Assistant Professors:** T. B. Baldwin, C. P. Edgington, P. M. Shumaker Jeffrey, D. A. Williams

The Department of Science, Technology, Engineering and Mathematics (STEM) Education offers graduate programs that lead to the degrees of Doctor of Philosophy (PhD), Master of Science (MS), and Master of Education (MEd). We prepare educators and researchers for positions as teachers, leaders, and university faculty of the highest quality. We are particularly proud of our emphasis on the use of technology to enhance teaching. Students take courses in their educational specialty, in general professional education, and in academic discipline areas including: biological sciences, chemistry, computer science, earth science, engineering, graphic arts, interdisciplinary science, mathematics, physics, or statistics.

A master's program is offered that leads to initial teaching licensure. Master's programs are also offered leading to North Carolina M-licensure as a teacher of technology at grades 6-12. Programs are also available for those seeking advanced graduate-level certification as a teacher. Finally, students may choose a program to prepare for teaching careers in post-secondary education.

Doctoral students are knowledge-seekers and who are eager to pursue educational problems and develop critical thinking skills in a collaborative environment. The programs prepare individuals for positions in their fields of study related to:

1. scholarly inquiry and discourse in their discipline,
2. preparation of K-12 teachers,
3. instruction and development issues in K-16, and
4. leadership positions.

Admission Requirements: Applicants must submit a completed application specific to the program concentration. The three concentrations or program areas of study (PAS) are:

[Science Education](#)

[Engineering and Technology Education](#)

[Mathematics and Statistics Education](#)

Please see the [Learning and Teaching in STEM, PhD website](#) for details. The deadlines for submission of an application, and academic and professional background necessary for admission differ by specific program concentration.

Doctoral Degree Requirements: The Ph.D. program in Learning and Teaching in STEM requires a previous master's degree, a minimum of 50 semester hours of course work, and 9 semester hours of dissertation research beyond the Master's Degree requirements.

Student Financial Support: A small number of teaching and research assistantships are available, and out-of-state tuition remission may be available for one year for students on assistantships. Please discuss these opportunities directly with program area faculty.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Social Work

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Social Work						Y		

GRADUATE FACULTY

K. Bullock, *Department Head*

Director of Graduate Programs:

K. L. Stansbury, Box 7639, klstansb@ncsu.edu, Social Work

Professors: K. Bullock, J. T. Pennell; **Associate Professors:** N. R. Ames, W. J. Casstevens, K. L. Stansbury, J. Taliaferro, I. Yoon; **Emeritus Clinical Associate Professors:** L. R. Williams; **Assistant Professors:** Q. Cryer-Coupet, A. R. Ellis, J. K. Hall; **Clinical Assistant Professors:** B. A. Zelter; **Teaching Assistant Professors:** D. C. Fitzpatrick

The mission of the MSW program is to prepare students for practice that is sensitive to the social, economic, cultural, demographic and political contexts that shape our state and beyond. Within a framework emphasizing professional ethics, social justice, diversity, strengths and community engagement, the Department seeks to equip students for leadership roles and effective practice.

Admission Requirements (*scroll down to see additional requirements for Advanced Standing applicants*)

- Bachelor's degree (any major) from an accredited liberal arts college or university.
- GPA of 3.0 or higher for the last 60 hours of academic work. Students with a GPA less than 3.0 but greater than 2.5 for the last 60 hours of academic course work must have official Graduate Record Exam (GRE) or Miller Analogies Test (MAT) scores forwarded to the Graduate School.
- Liberal arts coursework in the social sciences, humanities, biology, and statistics.
 - Four courses in the social sciences (e.g. anthropology, economics, ethnic studies, political science, psychology, social work, sociology), with a grade of C or better.
 - Three courses in the humanities (e.g. comparative religions, history, linguistics, literature, modern or classic languages, philosophy and ethics, visual and performing arts), with a grade of C or better.
 - A biology and a statistics course, with a grade of C or better.
- A variety of life and work experience in human services, paid or volunteer. *Note: In accordance with the CSWE standards, students cannot receive academic credit based on life and work experience.*

Additional Requirements for Advanced Standing

In addition to the above admissions requirements, the following applies to Advanced Standing applicants:

- Applicants with a BSW degree from an accredited program and a GPA of at least 3.5 (on a 4.0 scale) for the last 60 credit hours of academic work are eligible to apply for Advanced Standing status. Students with a GPA less than 3.5 but greater than 2.5 for the last 60 hours of academic course work must have official Graduate Record Exam (GRE) or Miller Analogies Test (MAT) scores forwarded to the Graduate School.
- BSW students who graduate prior to the first semester of Advanced Standing coursework will be considered for admission.
- Applicants must have grades of "B" or better in all social work courses.
- One of three references must be from Field/Task Supervisor or Field Director/Liaison.

Master's Degree Requirements: The MSW Program provides two options: The Traditional 60-credit program, and the 39-credit Advanced Standing Program, which is designed for BSW graduates only.

We do not offer a part-time curriculum at this time.

Other Relevant Information: The MSW program is accredited by The Council on Social Work Education (CSWE).

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Sociology

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Sociology	Y			Y				

GRADUATE FACULTY

Director of Graduate Programs:

S. J. McDonald, Box 8107, 919/515-9028, steve_mcdonald@ncsu.edu, Sociology and Anthropology

Named Distinguished Professors: M. D. Schulman; ***Named Distinguished University Professors:*** W. A. Wolfram; ***Professors:*** M. P. Atkinson, T. N. Greenstein, E. L. Kick, P. L. McCall, S. J. McDonald, T. L. Parcel, A. H. Ross, M. L. Schwalbe, T. E. Shriver; ***Emeritus Named Professors:*** V. M. Aldige; ***Emeritus Professors:*** W. B. Clifford, E. M. Crawford, L. R. Dellafave, T. N. Hobgood, R. L. Moxley, R. D. Mustian, M. M. Sawhney, C. R. Tittle, E. M. Woodrum, M. A. Zahn, J. J. Zuiches; ***Emeritus Distinguished Professors:*** L. B. Otto; ***Associate Professors:*** S. K. Bowen, D. T. Case, M. L. Crowley, S. M. De Coster, K. L. Ebert, N. M. Haenn, S. B. Longo, A. Manzoni, W. R. Smith, M. E. Thomas, M. S. Thompson, J. M. Wallace; ***Adjunct Associate Professors:*** J. F. Thigpen, W. E. Wormsley; ***Emeritus Associate Professors:*** R. C. Brisson, R. F. Czaja, A. C. Davis, S. C. Lilley, R. J. Thomson, M. L. Walek; ***Assistant Professors:*** M. A. DeSoucey, A. D. Fernandes, C. A. Juarez, W. Liao, S. C. McManus, J. K. Millhauser; ***Adjunct Assistant Professors:*** B. L. Clark

The department offers Master's and doctoral programs in sociology designed to prepare students for academic, research, and applied careers. The programs are structured to provide an intellectually stimulating and academically rigorous, yet supportive, environment that emphasizes developing research skills through course work and close collaboration with faculty.

Admissions Requirements: In addition to general Graduate School requirements, applicants are required to provide a writing sample and should be intending to complete the Ph.D. degree in sociology. We routinely accept applications only for the fall semester. The completed application should be received no later than January 1 to ensure full consideration for assistantship support. Applications for spring admission are considered only under special circumstances (for example, when the student has already completed some graduate course work in sociology).

Master's Degree Requirements: Applicants should have received/be receiving a Bachelor's degree from an accredited institution with a major in sociology. Other majors are considered, but students may have to make up deficiencies without credit. The M.S. requires a thesis, whereas a Master of Sociology (M.SOC.) requires six semester credit hours of practicum (supervised field placement in an organization or agency) and a research paper. A minor for both degrees is optional. Thirty (30) hours of credit is required to obtain a Master's degree.

Doctoral Degree Requirements: The Ph.D. requires a total of 72 credit hours. The degree normally requires a Master's in sociology. Doctoral students take core courses in theory and methods/analysis and at least three courses each in two substantive areas of specialization. Up to 36 credit hours for course work at the master's level at NCSU may be counted towards that total. Up to 18 credit hours from course work at the master's level from another university may be counted towards the total of 72 credit hours. A minor is optional.

Student Financial Support: Teaching and research assistantships are available on a competitive basis.

Click on [Graduate Courses](#) for current course information.

Statistics

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Statistics	Y			Y		Y		

GRADUATE FACULTY

L. A. Stefanski, *Department Head*

Directors of Graduate Programs:

J. B. Post, Box 8203, jbpost2@ncsu.edu, Statistics

W. Lu, Box 8203, 919/515-1915, wlu4@ncsu.edu, Statistics

Named Professors: M. Davidian, D. A. Dickey, A. A. Tsiatis; **Named Distinguished Professors:** Z. Zeng; **Named Distinguished University Professors:** A. B. Godfrey; **Distinguished University Professors:** M. M. Goodman; **Professors:** B. Bhattacharyya, D. D. Boos, S. K. Ghosh, K. Gross, M. L. Gumpertz, A. R. Hall, J. M. Hughes-Oliver, S. N. Lahiri, W. Lu, S. V. Muse, L. A. Stefanski, J. L. Thorne, J. Tzeng, A. G. Wilson, F. A. Wright, D. Zhang; **Adjunct Professors:** H. D. Bondell, S. Chow, J. R. Chromy, R. B. Conolly, J. H. Goodnight, P. H. Morgan, D. W. Nychka, R. W. Setzer, E. A. Stone, R. D. Wolfinger, S. S. Young; **Emeritus Named Professors:** M. W. Suh; **Emeritus Professors:** P. Bloomfield, C. Brownie, T. M. Gerig, H. J. Gold, T. Johnson, J. F. Monahan, L. A. Nelson, K. H. Pollock, C. H. Proctor, C. P. Quesenberry, J. O. Rawlings, D. L. Ridgeway, W. H. Swallow, J. L. Wasik; **Emeritus Named Distinguished Professors:** W. R. Atchley, J. E. Riviere; **Associate Professors:** S. Ghoshal, E. B. Laber, A. Maity, D. E. Martin, R. G. Martin, A. A. Motsinger-Reif, J. A. Osborne, B. J. Reich, D. M. Reif, T. W. Reiland, C. E. Smith, R. Song, A. Staicu; **Research Associate Professors:** C. Arellano, E. Ceyhan; **Adjunct Associate Professors:** L. Li; **Emeritus Associate Professors:** A. E. Headen; **Assistant Professors:** E. C. Chi, J. S. Guinness, X. J. Jeng, J. K. Pacifici, J. W. Richards-Stallings, L. Xiao, S. Yang; **Research Assistant Professors:** E. H. Griffith; **Adjunct Assistant Professors:** G. Bobashev, M. G. Ehm, C. M. Gotwalt, J. S. Kimbell, E. C. Mannshardt, H. Zhou; **Teaching Associate Professors:** H. M. McGowan, P. R. Savariappan; **Teaching Assistant Professors:** B. A. Alhanti, J. W. Duggins, J. B. Post; **Lecturers:** B. K. Eder

Admission Requirements: The well-prepared applicant to the department's Master's programs has good grades in a three-semester calculus sequence, a two-semester advanced calculus sequence, a semester of linear algebra, and a two-semester sequence in probability and statistics. Some of these courses may be taken as part of the program, but this may result in lengthening the stay. Students may apply to either the Master's or PhD program directly from a Bachelor's degree. GRE General Test scores are required, but Subject Test scores are not.

The written statement should not exceed two pages and should describe the applicant's academic and career goals as well as special interests in the area of statistics. Applicants may also submit a resume. Individuals applying for fall enrollment and who wish to be considered for financial aid should have their completed applications in by no later than December 15 of the preceding year. Applications arriving after that will be considered but may be assigned lower priority. Starting Summer of 2013, we will begin to offer courses to allow a student to complete the Master of Statistics degree in one calendar year. The one year masters program has the same requirements as the current Master of Statistics program. Since courses start in the summer, the deadline to submit completed applications is January 15 of the same year, and student should apply for 'Summer 1' admission. Students are not normally admitted for spring.

Master's Degree Requirements: All Master's programs in statistics require a minimum of 34 credit hours, of which 12 are first-year core (ST 512, ST 521, ST 522, ST 552 and their labs), one is supervised consulting (ST 641). The remainders are statistics and/or supporting electives.

Doctoral Degree Requirements: The Ph.D. program in statistics requires 22 course credit hours beyond the Master's,

of which 9 are Ph.D. core courses (ST 779, ST 793, and ST 758), one is supervised consulting (ST 841), and 12 are Ph.D.-level statistics electives.

Student Financial Support: Departmental assistantships and fellowships are awarded to students in the Ph.D. program each year on a competitive basis.

Other Relevant Information: With a large graduate faculty representing virtually all major statistical specializations, the department is recognized as a world leader in graduate education and research in statistics. The Department provides a dynamic environment for teaching, core research and collaborative research across disciplines, with formal program concentrations in biostatistics, bioinformatics, environmental, financial and mathematical statistics.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

STEM Education

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
STEM Education				Y			Y	

GRADUATE FACULTY

Director of Graduate Programs:

M. R. Blanchard, Box 7801, meg_blanchard@ncsu.edu, Science, Technology, Engineering, and Mathematics Education

The STEM Education Program offers a Master's of Education (MEd) Distance Education with concentration in Science Education, Engineering and Technology Education, and Mathematics and Statistics Education. We prepare educators and researchers for positions as teachers, leaders, and university faculty of the highest quality. We are particularly proud of our emphasis on the use of technology to enhance teaching. Students take courses in their educational specialty in Science Education, and in academic discipline areas including: biological sciences, chemistry, earth science, environmental science, interdisciplinary science or physics.

Our Master's program (MEd) leads to North Carolina M-licensure as a teacher of science at grades 6-12 or advanced credentials for informal educators. Programs are also available for those seeking advanced graduate-level certification as a teacher. Finally, students may design a program to prepare for teaching careers in post-secondary education.

Some of our students elect to move directly from our master's into our doctoral program in [Learning and Teaching in STEM – Science Education, Engineering and Technology Education or Mathematics and Statistics Education](#). These students are knowledge-seekers and are eager to pursue educational problems and develop critical thinking skills in a collaborative environment. The programs prepare individuals for positions in their fields of study related to:

1. scholarly inquiry and discourse in science education,
2. preparation of K-12 teachers and informal science educators,
3. instruction and development issues in K-16, and
4. leadership positions.

Admission Requirements: Applicants for the M.Ed degree must submit a completed application specific to the program concentration. No GRE is required. Please see the [concentration area website](#) for details.

[Science Education](#)

[Engineering and Technology Education](#)

[Mathematics and Statistics Education](#)

The deadlines for submission of an application, and academic and professional background necessary for admission differ by specific concentration.

Student Financial Support: A small number of scholarships may be available through the [College of Education](#) or NC State University. For those who apply for financial aid, there may be some [grants available through the university](#). Please discuss these opportunities directly with program area faculty.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Teacher Education and Learning Sciences

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Curriculum and Instruction				Y			Y	

GRADUATE FACULTY

Directors of Graduate Programs:

J. K. Lee, Box 7801, 919/513-0126, jkleee@ncsu.edu, Teacher Education and Learning Sciences

J. T. DeCuir-Gunby, Box 7801, 919/513-7669, jessica_decur@ncsu.edu, Teacher Education and Learning Sciences

Professors: S. B. Baker, C. L. Crossland, D. A. Cullinan, J. T. DeCuir-Gunby, E. R. Gerler, G. M. Kleiman, J. K. Lee, P. L. Marshall, S. C. Nassar, J. Nietfeld, K. M. Oliver, J. A. Picart, E. J. Sabornie, H. A. Spires, S. Ting, E. N. Wiebe;

Emeritus Professors: B. J. Fox, L. K. Jones, C. A. Pope, R. J. Pritchard, N. A. Sprinthall; **Associate Professors:** C. M. Beal, D. S. Davis, H. C. Edwards, D. Eseryel, M. A. Evans, M. A. Grimmett, J. H. Hunt, M. M. Manfra, M. M.

Thomson, A. M. Wiseman, C. A. Young; **Adjunct Associate Professors:** H. A. Davis-Bauer; **Emeritus Associate**

Professors: J. F. Arnold, S. S. Osborne, L. M. Thies-Sprinthall; **Assistant Professors:** M. M. Falter, D. L. Gray, J. F. Grifenhagen, C. D. Hoggan, C. C. Lee, J. N. Pearson, T. A. Rutherford, J. Wilson; **Clinical Assistant Professors:** E. T.

Horne; **Adjunct Assistant Professors:** J. O. Corn, S. B. Freeman, M. J. Maher, M. K. Monaco, R. E. Tyler-Walker;

Teaching Associate Professors: A. D. Harrington, A. C. Smith; **Teaching Assistant Professors:** D. E. Benge, D. E.

Crissman, M. J. Jeffries, J. O. McKeown, B. H. Setser; **Lecturers:** L. G. Hervey, L. E. Huffman, J. W. Lucas

The department of Teacher Education and Learning Sciences offers master's degrees in multiple areas of curriculum and instruction; Curriculum and Developmental Supervision, Educational Psychology, and New Literacies and Global Learning (with sub-concentrations in English education, general studies, middle grades, K-12 reading education, and social studies education).

For more please see <https://ced.ncsu.edu/graduate/graduate-programs/masters/>

The NC Department of Public Instruction has conferred accreditation to the graduate programs in Teacher Education and Learning Sciences. The College of Education is approved any the Council for the Accreditation of Educator Preparation (CAEP).

Admission Requirements: Curriculum and Instruction: A 500-800 word statement describing professional goals is required, along with transcripts and reference letters. Some areas of study require that applicants be qualified to hold a baccalaureate-level teaching license or have teaching experience. The Graduate School requires a 3.0 in the undergraduate program. Students from diverse backgrounds are welcome to apply. Admission is competitive. The best qualified applicants will be accepted up to the limited number of spaces available for new students. TOEFL or IELTS scores for international applicants whose first language is not English. GRE scores not more than five years old are required for the Educational Psychology program area.

Master's Degree Requirements: Curriculum and Instruction: A minimum of 30 course credit hours. For the M.S. degree, a minimum of 36 hours is required. The M.S. degree requires a thesis and final oral examination approved by the graduate committee.

Student Financial Support: Teaching Assistantships are available on a limited basis.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Technical Communications

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Technical Communication				Y				

GRADUATE FACULTY

Directors of Graduate Programs:

H. Ding, Box 8105, hding@ncsu.edu, English

J. S. Mulholland, Box 8105, jmulhol@ncsu.edu, English

Professors: J. Swarts; **Emeritus Professors:** C. R. Miller; **Associate Professors:** H. Ding, S. M. Katz; **Emeritus Associate Professors:** D. H. Covington, R. S. Dicks; **Assistant Professors:** S. L. Pigg, D. M. Walls

The Master of Science in technical communication is designed to prepare professional communicators for advanced positions in industry and research organizations; with appropriate electives, students can prepare for careers in web design and development, software documentation, environmental communication, medical writing, industrial training in writing and editing, publications management and related areas.

Admission Requirements: Applicants should submit a resume and a writing sample. The application deadline is June 15. Those who wish to be considered for teaching assistantships should complete the application by February 1. Students are admitted for either the fall or spring semesters.

Requirements for MS in Technical Communication: The program requires 33 semester hours: 15 hours in the fields of technical writing, publication management, rhetoric and a projects course; the remaining hours are taken in applications, theory and methods and cross-disciplinary courses. Students must also satisfy a requirement for one semester of professional work experience. See [program website](#) for specific requirements by concentration.

Student Financial Support: [Teaching assistantships](#) are available for a limited number of promising students. These students work with an experienced teacher in their first year to assist in 300-level professional writing courses. They devote half time in subsequent semesters to teaching technical communication.

Click on [Graduate Courses](#) for current course information.

[NCSU Graduate Catalog](#)

Textile and Apparel Management

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Textiles				Y		Y		

GRADUATE FACULTY

A. M. Seyam, *Department Head*

Director of Graduate Programs:

L. L. Parrillo-Chapman, Box 8301, 919/513-4020, llparril@ncsu.edu, Textile and Apparel Management

Named Professors: R. L. Barker, D. Hinks, W. Oxenham; **Named Distinguished Professors:** B. Pourdeyhimi; **Named Distinguished University Professors:** A. B. Godfrey; **Professors:** T. G. Clapp, T. K. Ghosh, C. L. Istook, J. A. Joines, M. W. King, T. A. Lamar, K. K. Leonas, T. J. Little, S. Michielsen, M. M. Moore, A. M. Seyam, R. Shamey, X. Zhang; **Adjunct Professors:** D. A. Bruner, K. Mathur, W. G. O'Neal, T. W. Theyson; **Emeritus Named Professors:** S. K. Batra, M. W. Suh, S. C. Winchester; **Emeritus Professors:** R. A. Barnhardt, R. A. Donaldson, A. H. El-Shiekh, N. C. Powell, W. C. Stuckey; **Emeritus Distinguished Professors:** M. H. Mohamed; **Associate Professors:** K. E. Annett-Hitchcock, P. Banks-Lee, K. A. Barletta, H. H. Hergeth, G. L. Hodge, R. Kotek, L. L. Parrillo-Chapman, L. F. Rothenberg, Y. Xu; **Adjunct Associate Professors:** M. T. Fralix, G. M. Garland, J. Meng, M. A. Messura, S. B. Moore, E. D. Parrish; **Emeritus Associate Professors:** H. A. Davis, P. B. Hudson, M. L. Robinson, G. W. Smith; **Assistant Professors:** E. N. Ford, D. R. Matthews, J. A. Porterfield, E. Shim, M. Suh, A. J. West, J. F. Woodbridge; **Research Assistant Professors:** G. M. Garland, B. Maze; **Teaching Associate Professors:** W. D. Harazin; **Lecturers:** G. M. Devine

NC State's College of Textiles, and the Department of Textile and Apparel, Technology and Management (TATM), prepares future leaders for the textile, apparel, home/furniture, fashion and retail industries. Based in Raleigh, North Carolina, undergraduate and graduate programs (Fashion and Textile Management; Fashion and Textile Design) incorporate global marketplace dynamics with a strategic management focus. Our graduates incorporate "art/design" + "science/technology" + "management" concepts in creative problem-solving. Our program is equipped with access to and experiences utilizing the latest industry technologies. The majority of the students have an enriching and intensive study abroad experience. Our program faculty works closely with industry partners, including the Department's 24-member Industry Advisory Board, to develop academic and experiential "real world" learning experiences. Student internships combined with a global alumni network provide an additional "value-added" experience, with our students prepared to make an immediate impact in diverse companies throughout the global supply chain. Career paths of our graduates are in the areas of: brand marketing, merchandising, retail, sourcing, private brand development, market analyst, design, product development, supply chain, and public relations and communications.

Master of Science in Textiles Degree: The objective of the Master of Science (MS) in Textiles is to prepare students for careers that require independent research skills, including designing, planning, and carrying out research projects. Students can choose to focus their studies in one of the following areas of specializations: Textile and Fashion Design, Retail and Brand Management, Textile Technology, and Textile Management. The MS degree requires a minimum of 36 hours of study including a thesis and typically takes 2 years to complete. Students interested in continuing with a Ph.D. in Textile Technology and Management (TTM) or Fiber and Polymer Science (FPS) are encouraged to pursue the MS degree.

Master of Textiles Degree: The Non-Thesis Master of Textiles (MT) program offers preparation and career advancement for students with interests in the design, management, and technological perspectives of the textile industry. The program is available on campus and online via Distance Education (DE) with flexibility to accommodate a breadth of student needs. The MT degree requires a minimum of 30 credit hours and can be completed in only two semesters (1 year) of full-time on campus study or up to a maximum of six (6) years for part time on-campus or DE

students.

Accelerated Bachelor's and Master's Degrees: The Accelerated Bachelor's and Master's (ABM) degrees in the Department of Textile and Apparel, Technology and Management (TATM) are designed to provide exceptional undergraduate students in the Fashion and Textile Management (FTM) and Fashion and Textile Design (FTD) programs with the opportunity to complete a BS degree (in FTM or FTD) and a TATM Master's degree in 5 to 5 1/2 years. Students in the ABM program can choose to pursue a non-thesis track in which they can potentially complete a Master of Textiles (MT) degree within 12 months after obtaining a Bachelor's (BS) degree in FTM or FTD. Alternatively, students can choose the thesis track in which they can potentially complete a Master of Science in Textiles (MS) degree within the 18 months following obtaining a BS degree in FTM or FTD.

Admission Requirements: Students with a Bachelor of Science or a Bachelor of Arts degree may apply to either of the degree programs. Students apply with degrees in textiles, engineering, management, or design. The minimum acceptable overall Grade Point Average (GPA) is a 3.0 out of 4.0, based on most current U.S. universities. Students should have 20 credit hours in mathematics and natural sciences in their undergraduate degree. Degrees must be obtained from a four-year, accredited university. Graduate transfer credits can only be from other U.S. universities, and must be approved by the student's graduate committee. Certificates and diplomas are not recognized as undergraduate degrees.

Click [Application](#) for more information on application procedures and requirements.

Student Financial Support: Competitive financial aid in the form of assistantships may be available for full-time Master of Science students.

Other Relevant Information: The Department of Textile and Apparel, Technology and Management houses a Digital Design lab which specializes in 3D Body Scanning, Direct Digital Printing, Whole Body Knitted Garments, and Computer Aided Apparel and Fabric Design. Additionally, the department includes the Fashion Studio, The Textile Management Sciences Lab, Textile Design Studio, Braiding Lab, Three-Dimensional Weaving Lab, and an Advanced Testing Lab that will allow students to experience hands-on advanced textile technology and management.

Click [Graduate Programs in TATM](#) for more details on degree requirements.

Click on [Graduate Courses - Textile Technology Management](#) for current course information.

[NCSU Graduate Catalog](#)

Textile Chemistry

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Textile Chemistry				Y				

GRADUATE FACULTY

Director of Graduate Programs:

E. A. DenHartog, Box 8301, 919 515 6659, eadenhar@ncsu.edu, Textile Engineering, Chemistry and Science

Named Professors: R. L. Barker, H. S. Freeman, D. Hinks, A. E. Tonelli; **Named Distinguished Professors:** B. Pourdeyimi; **Distinguished Professors:** R. J. Spontak; **Professors:** K. R. Beck, T. G. Clapp, L. I. Clarke, A. M. El-Shafei, R. E. Gorga, P. J. Hauser, S. M. Hudson, W. J. Jasper, J. A. Joines, M. W. King, M. G. McCord, S. Michielsen, M. Pasquinelli, J. P. Rust, R. Shamey, A. J. Williams, X. Zhang; **Adjunct Professors:** A. Bogdanovich, W. G. O'Neal; **Emeritus Named Professors:** S. P. Hersh, C. B. Smith; **Emeritus Professors:** A. H. El-Shiekh, P. L. Grady, B. S. Gupta, G. N. Mock, M. H. Theil, C. Tomasino; **Emeritus Distinguished Professors:** M. H. Mohamed; **Associate Professors:** P. D. Bradford, E. A. DenHartog, J. S. Jur, R. Kotek, W. E. Krause, J. P. Lavelle, S. I. Salmon; **Research Associate Professors:** D. P. Griffis, D. B. Thompson; **Adjunct Associate Professors:** J. P. Casani, G. M. Garland, T. G. Montgomery; **Assistant Professors:** E. N. Ford, W. Gao, E. Shim, N. R. Vinueza Benitez; **Research Assistant Professors:** N. Anantharamaiah, G. M. Garland, B. Maze, R. Ormond, B. Yeom; **Adjunct Assistant Professors:** H. A. Boyter; **Teaching Professors:** H. Hamouda

Master of Science in Textile Chemistry (MS/TC): The Master of Science in Textile Chemistry degree program, offered by the Department of Textile Engineering, Chemistry and Science (TECS) in the Wilson College of Textiles, emphasizes the fundamental principles of chemistry, physics, and mathematical sciences, and applies those to polymer science, dyeing and finishing technology, color science, dye chemistry, and fiber analysis and formation. Some of the active research projects in textile chemistry include study of toxicity and mutagenicity of dyes and pigments, biomedical applications of polymers, surface treatment and finishing of polymers using plasma, color perception and imaging, dye activated solar cells, dyebath modeling and control, polymer and fiber science, and environmental sustainability including pollution prevention. Some of our students opt to co-major in other programs including chemical engineering, chemistry, textile engineering, and biomedical engineering. Our program is highly relevant to many in the chemical, medical, polymer, retail and textile industries, as well as environmental and forensic science. Graduates of Textile Chemistry are recruited by a broad range of employers, including traditional textile areas or even areas outside of textiles, such as research laboratories or the State and Federal Bureaus of Investigation. Some graduates have also gone onto doctoral programs, particularly in fiber and polymer science (FPS) and textile technology management (TTM).

Admission Requirements (MS/TC): Applicants must have an undergraduate degree in chemistry or an equivalent degree with demonstrated proficiency in the appropriate calculus-based sciences (such as physics) and core chemistry competencies, including physical chemistry and organic chemistry. If these requirements are not met, additional coursework may be required prior to admission into the program. Applicants are also expected to meet the following minimum requirements: a GPA of 3.0 or First Class Honors in the Bachelor's degree; a TOEFL score of 213 for the computer-based, and 80 for internet-based (international students) OR IELTS scores with an overall band score of at least 6.5; and three letters of reference. Note that the GRE has become optional.

Degree Requirements Master of Science in Textile Chemistry (MS/TC): The Masters of Science in Textile Chemistry (MS TC) has two options, a thesis option (Option A) and a non-thesis option (Option B).

MS TC Option A (Thesis) requires a minimum of 32 credit hours, with a minimum of 24 credit hours (8 courses) meeting the following requirements: 1) At least 12 credit hours of Chemistry (CH or TC) courses or from the approved TC offerings table. Substitutions must be approved by the Director of Graduate Programs; 2) Up to 9 credit hours are to

be chosen from supporting areas. The courses may be selected from a single field, and will thus be designated as a Minor (e.g. statistics, chemistry, textile technology, or biomedical engineering) or from more than one discipline (interdisciplinary minor). No more than one of these courses may be a 400-level course. In addition, two semesters of TC601 (Graduate Seminar) are required. For the thesis a minimum of six hours of thesis related research is required (TC 695, TC693 or TC630).

MS TC Option B (Non-Thesis) requires a minimum of 35 credit hours, with a minimum of 27 credit hours (9 courses) meeting the following requirements: 1) At least 18 credit hours from the approved TC offerings table. Substitutions must be approved by the Director of Graduate Programs; 2) Up to 9 credit hours are to be chosen from supporting areas. In addition, two semesters of TC601 (Graduate Seminar) are required, and a minimum of six hours of TE 630 (Independent Study) or approved equivalent independent project courses are required.

Student Financial Support: Although financial aid is limited, some support is available for full-time students in the form of research assistantships, teaching assistantships, or fellowships. Research assistantships are only available for M.S. students in the thesis option, and students should contact individual faculty members in their research interest areas for such opportunities. While students can typically find support by their second semester, they should be prepared to cover all expenses for at least the first semester.

Other Relevant Information: The TECS Department either houses or has access to state-of-the-art facilities for conducting quality research and independent study projects related to this degree program area. Close cooperation between COT faculty and the fiber/textile and allied industries provides students with opportunities for learning and employment.

Click on [Graduate Courses -Textile Chemistry](#) for current course information.

Click on [Graduate Courses -Textile Engineering](#) for current course information.

Click on [Graduate Courses -Textile Materials Science](#) for current course information.

Click on [Graduate Courses -Textile Technology](#) for current course information.

[NCSU Graduate Catalog](#)

Textile Engineering

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Textile Engineering				Y				

GRADUATE FACULTY

Director of Graduate Programs:

E. A. DenHartog, Box 8301, 919 515 6659, eadenhar@ncsu.edu, Textile Engineering, Chemistry and Science

Named Professors: R. L. Barker, H. S. Freeman, D. Hinks, W. Oxenham, A. E. Tonelli; ***Named Distinguished Professors:*** B. Pourdeyimi; ***Distinguished Professors:*** R. J. Spontak; ***Professors:*** K. R. Beck, T. G. Clapp, L. I. Clarke, A. M. El-Shafei, T. K. Ghosh, R. E. Gorga, P. J. Hauser, S. M. Hudson, W. J. Jasper, J. A. Joines, M. W. King, M. G. McCord, S. Michielsen, M. Pasquinelli, J. P. Rust, A. M. Seyam, R. Shamey, A. J. Williams, X. Zhang; ***Adjunct Professors:*** W. G. O'Neal; ***Emeritus Named Professors:*** C. B. Smith; ***Emeritus Professors:*** R. A. Barnhardt, A. H. El-Shiekh, P. L. Grady, B. S. Gupta, G. N. Mock, M. H. Theil; ***Emeritus Distinguished Professors:*** M. H. Mohamed; ***Associate Professors:*** P. Banks-Lee, P. D. Bradford, E. A. DenHartog, G. L. Hodge, J. S. Jur, R. Kotek, W. E. Krause, J. P. Lavelle, S. I. Salmon; ***Research Associate Professors:*** D. P. Griffis, D. B. Thompson; ***Adjunct Associate Professors:*** J. P. Casani, G. M. Garland; ***Assistant Professors:*** E. N. Ford, W. Gao, E. Shim, N. R. Vinueza Benitez; ***Research Assistant Professors:*** N. Anantharamaiah, G. M. Garland, B. Maze, R. Ormond, B. Yeom; ***Adjunct Assistant Professors:*** H. A. Boyter; ***Teaching Professors:*** H. Hamouda

Master of Science in Textile Engineering (MS/TE): The Master of Science in Textile Engineering degree program, offered by the Department of Textile Engineering, Chemistry and Science (TECS) in the Wilson College of Textiles, offers unique educational and research opportunities within the domain of textile materials, structures, and technologies, as well as process design. The program is interdisciplinary in nature, drawing upon polymer and fiber science, mathematical sciences, other engineering disciplines, and the physical sciences. Current research activities in textile engineering include inventory and supply chain control, molecular modeling, nonwovens, thermal and protection sciences, polymer and fiber science, biomedical applications of textiles, wearable and smart textiles, textile composites, filtration, nanotextiles, and sustainability. Since this program encompasses such diverse fields of study, many of our students opt to minor or co-major in other programs at NC State, such as statistics, biomedical engineering, chemical engineering, and industrial engineering. Graduates of Textile Engineering are recruited by a broad range of employers, including traditional textile areas such as performance athletic wear or outdoor apparel and equipment, or even areas outside of textiles, such as hospitals, research laboratories, or banks. Some graduates have also gone onto doctoral programs, particularly in fiber and polymer science (FPS) and textile technology management (TTM).

Admission Requirements (MS/TE): Applicants must have an undergraduate engineering degree or demonstrated proficiency in the appropriate calculus-based sciences (such as physics) and technical competencies in areas such as fiber science. If these requirements are not met, additional coursework may be required prior to admission into the program. A background in materials science, engineering mechanics, statistics, or chemical engineering is highly recommended. Formal education in textile engineering or materials science is desired but not required. Applicants are also expected to meet the following minimum requirements: a GPA of 3.0 or First Class Honors in the bachelor's degree; a TOEFL score of 213 for the computer-based, and 80 for internet-based (international students) OR IELTS scores with an overall band score of at least 6.5; and three letters of reference. Note that the GRE has become optional.

Degree Requirements Master of Science in Textile Engineering (MS/TE): The Masters of Science in Textile Engineering requires a minimum of 32 credit hours is required, with a minimum of 24 credit hours (8 courses) meeting the following requirements: 1) Students must take a minimum of 15 credit hours of courses at the ≥ 500 level offered by TECS faculty that have the following prefixes: TE, TMS, TC (PCC), TT, FPS, and TTM. View the lists of courses with these prefixes. 2) Students must take a minimum of 12 credit hours of engineering courses at the ≥ 500 level (i.e.,

courses offered by an engineering department. Note: This includes courses with the TMS prefix). In addition, two semesters of TE 601 (Graduate Seminar).

The Masters of Science in Textile Engineering has two options, a thesis option (Option A) and a non-thesis option (Option B). For Option A (Thesis) a minimum of six credit hours of thesis related research (TE 695, TE 693, or TE 630) is required, whereas, for Option B a minimum of six hours of TE 630 (Independent Study) or approved equivalent independent project courses are required.

Student Financial Support: Although financial aid is limited, some support is available for full-time students in the form of research assistantships, teaching assistantships, or fellowships. Research assistantships are only available for M.S. students in the thesis option, and students should contact individual faculty members in their research interest areas for such opportunities. While students can typically find support by their second semester, they should be prepared to cover all expenses for at least the first semester.

Other Relevant Information: The TECS Department either houses or has access to state-of-the-art facilities for conducting quality research and independent study projects related to this degree program area, including fiber science and textile engineering. Close cooperation between COT faculty and the fiber/textile and allied industries provides students with opportunities for learning and employment.

Click on [Graduate Courses -Textile Chemistry](#) for current course information.

Click on [Graduate Courses -Textile Engineering](#) for current course information.

Click on [Graduate Courses -Textile Materials Science](#) for current course information.

Click on [Graduate Courses -Textile Technology](#) for current course information.

[NCSU Graduate Catalog](#)

Textile Technology Mgmt

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Fiber and Polymer Science	Y							
Textile Technology Management	Y							

GRADUATE FACULTY

Director of Graduate Programs:

S. Michielsen, Box 8301, 919/515-1414, Stephen_Michielsen@ncsu.edu, Textile Engineering, Chemistry and Science

Named Professors: R. L. Barker, S. Fang, H. S. Freeman, D. Hinks, S. A. Khan, R. E. King, W. Oxenham, A. E. Tonelli; **Named Distinguished Professors:** B. Pourdeyehimi; **Named Distinguished University Professors:** A. B. Godfrey, R. B. Handfield, T. J. Hodgson, B. M. Novak, M. Rappa; **Distinguished Professors:** J. Genzer, R. J. Spontak; **Professors:** H. Ade, C. M. Balik, K. R. Beck, C. C. Bozarth, C. L. Bumgardner, T. G. Clapp, A. M. El-Shafei, P. S. Fedkiw, R. E. Fornes, T. K. Ghosh, R. E. Gorga, C. B. Gorman, P. J. Hauser, S. M. Hudson, C. L. Istook, W. J. Jasper, J. A. Joines, M. W. King, T. A. Lamar, K. K. Leonas, T. J. Little, M. G. McCord, S. Michielsen, M. M. Moore, M. Pasquinelli, J. P. Rust, A. M. Seyam, R. Shamey, R. A. Venditti, A. J. Williams, J. R. Wilson, X. Zhang; **Adjunct Professors:** E. G. Lobo-Polefka, K. Mathur, O. J. Rojas; **Emeritus Named Professors:** S. K. Batra, S. P. Hersh, H. B. Hopfenberg, C. B. Smith, M. W. Suh, S. C. Winchester, C. F. Zorowski; **Emeritus Professors:** R. A. Barnhardt, R. A. Donaldson, A. H. El-Shiekh, R. E. Fornes, P. L. Grady, B. S. Gupta, D. M. Holthausen, G. N. Mock, H. G. Olf, N. C. Powell, S. T. Purrington, W. C. Stuckey, M. H. Theil, C. Tomasino, C. F. Zorowski; **Emeritus Distinguished Professors:** M. H. Mohamed; **Associate Professors:** K. E. Annett-Hitchcock, P. Banks-Lee, K. A. Barletta, P. D. Bradford, E. A. DenHartog, H. H. Hergeth, G. L. Hodge, J. S. Jur, R. Kotek, W. E. Krause, J. P. Lavelle, L. A. Lucia, L. Pal, L. L. Parrillo-Chapman, L. F. Rothenberg, S. I. Salmon, Y. Xu; **Research Associate Professors:** D. P. Griffiths; **Adjunct Associate Professors:** J. P. Casani, G. M. Garland, S. B. Moore; **Emeritus Associate Professors:** S. N. Chapman, J. K. McCreery, G. W. Smith; **Assistant Professors:** E. N. Ford, W. Gao, S. Lim, D. R. Matthews, J. A. Porterfield, E. Shim, M. Suh, N. R. Vinueza Benitez, A. J. West, J. F. Woodbridge; **Research Assistant Professors:** N. Anantharamaiah, G. M. Garland, B. Maze, B. Yeom; **Teaching Professors:** H. Hamouda, H. L. Nuttle; **Lecturers:** G. M. Devine

Textile Technology Management is a multidisciplinary program designed to educate students for research and management careers in technology management in the fiber, textile, apparel and related industries complex. The program is designed to give the students a breadth of knowledge of the materials and technologies employed in the industries as well as the quantitative and analytical tools of management.

Admission Requirements: Students majoring in textiles; industrial, systems and manufacturing engineering; statistics; operations research; computer science; economics; consumer economics; marketing; and business administration, and having an average in their undergraduate studies of 3.5/4.0 and a Master's degree will normally qualify for admission. Exceptionally qualified students (3.75/4.0 undergraduate GPA) may be admitted directly without a Master's degree.

Doctoral Degree Requirements: Fixed credit-hour requirements for the Doctor of Philosophy degree are 72. (Up to 18 hours from an M.S. may be applied against the 72.) Students are admitted to candidacy for the Ph.D. degree after passing a prescribed group of courses, completing a scholarly critique of existing knowledge in the field of specialization, and orally defending a research proposal. They must also have demonstrated proficiency in English technical writing course and, depending on the nature of their research interests, may also be required to demonstrate a reading knowledge of one foreign language.

Student Financial Support: Financial aid in the form of Graduate Research Assistantships, Teaching Assistantships, or other assistantships and fellowships is available to a limited number of students.

Course Offerings: Extensive use may be made of graduate course offerings in other colleges on campus when developing the minor field. See departmental listing for descriptions.

Click on [Graduate Courses - Textile Technology Management](#) for current course information.

Click on [Graduate Courses - Textile Technology](#) for current course information.

[NCSU Graduate Catalog](#)

Toxicology

Degrees Offered:

Program Title	Ph.D.	Ed.D.	D.Des.	M.S.	M.A.	Master of	M.Ed.	MFA
Toxicology	Y			Y		Y		

GRADUATE FACULTY

Director of Graduate Programs:

S. W. Kullman, Box 7633, swkullma@ncsu.edu, Biological Sciences

Named Professors: W. G. Cope, H. B. Patisaul; ***Named Distinguished Professors:*** R. R. Anholt, R. Roe; ***Professors:*** K. B. Adler, R. E. Baynes, J. C. Bonner, M. Breen, D. Buchwalter, D. J. Burke, J. M. Cullen, H. M. Hassan, J. M. Horowitz, M. Hyman, S. W. Kullman, S. M. Laster, J. M. Law, G. A. LeBlanc, E. G. Nichols, E. F. Rissman, P. L. Sannes, D. Shea, R. C. Smart, M. K. Stoskopf, J. Tsuji, Y. Tsuji; ***Research Professors:*** S. M. Belcher, A. R. Brody; ***Adjunct Professors:*** D. W. Threadgill, D. C. Zeldin; ***Emeritus Professors:*** E. Hodgson, R. B. Leidy, N. A. Monteiro-Riviere, J. F. Roberts; ***Associate Professors:*** J. A. Hoppin, C. Hoyo, C. J. Mattingly, N. M. Nascone-Yoder, D. M. Reif, M. Rodriguez-Puebla; ***Adjunct Associate Professors:*** S. E. Fenton; ***Assistant Professors:*** D. L. Aylor, M. S. Bereman, M. A. Cowley, D. Fourches, A. J. Planchart; ***Research Assistant Professors:*** J. R. Hall, D. A. Skaar; ***Adjunct Assistant Professors:*** S. E. Fenton, R. L. Langley

The Toxicology Program provides course work and research training to prepare prospective toxicologists and environmental health scientists for careers in academia, government, and industry. Research in the program spans an array of topics ranging from the molecular to population level consequences of toxicant exposure. Areas of research excellence within the program include elucidating relationships among cell signaling processes and stressor-induced disease and toxicity, establishing mechanisms of system-specific toxicity, using physiological and genomic approaches to understand differences in species and individual susceptibility to environmental contaminants, and unraveling gene-environment interactions. Some specific research areas include: apoptosis, endocrine disruption, trace metal bioaccumulation and detoxification, oxidative stress/gene regulation/cell toxicity, asthma and lung fibrosis, cancer and mutagenesis, ecotoxicology, developmental abnormalities, chemical exposure assessment and environmental epidemiology. Some examples of the types of environmental agents that are being investigated include chemical carcinogens, trace metals, pesticides, particulates metals, endocrine disruptors, nanoparticles and UVB radiation.

Admission Requirements: Prospective students should have a strong background in the biological and physical sciences with a minimum undergraduate grade point average of 3.0 (on a 4.0 scale) and a minimum Quantitative GRE score in the 70th percentile. GRE subject tests are not required. International students whose primary language is not English must submit TOEFL scores. A written statement should describe the applicants academic and career goals as well as their area of interest. All applications are reviewed by an admissions committee. Students are encouraged to submit applications no later than January 15 for Fall admission.

Master of Science Degree Requirements: The M.S. is a research-oriented degree requiring a minimum of 30 credit hours and a written thesis. At least 20 credit hours must be graduate-level courses and a core curriculum is required.

Master of Toxicology Degree Requirements: The MTOX degree is a non-research degree designed for those interested in pursuing non-research careers in toxicology and environmental health science, and/or working professionals seeking to further their education and advance their careers. To accommodate working professionals the MTOX degree can be pursued on a part-time basis. A minimum of 30 credit hours is required, with at least 14 credit hours in toxicology courses.

Doctoral Degree Requirements: The Ph.D. program is designed to train students to become independent scholars capable of conducting unsupervised and original research. Students enroll in a core curriculum similar to that of the

M.S. degree and additional courses as determined by his/her advisory committee. Normally a total of 72 credit hours is required, with the majority of these credits being dissertation research. Students must pass both a written and oral preliminary exam prior to advancing to Ph.D. candidacy. A doctoral dissertation presenting the students original research is written and defended in a final oral examination.

Student Financial Support: Financial assistance is available for qualified applicants through traineeships, fellowships, teaching assistantships and research assistantships.

Other Relevant Information: Students pursuing either the M.S. or Ph.D. degree may elect to specialize in General Toxicology, Environmental Toxicology, or Molecular and Cellular Toxicology. More details can be obtained on the [Environmental and Molecular Toxicology](#) web site.

Click on [Graduate Courses](#) for current course information.

Courses from Associated Departments

BIT 510 Core Technologies in Molecular and Cellular Biology
BIT 567 Polymerase Chain Reaction Technologies
BIT 568 Genome Mapping
BIT 569 RNA Purification and Analysis
BCH 553 Biochemistry of Gene Expression BCH 701 Macromolecular Structure
BCH 703 Macromolecular Synthesis and Regulation BCH 705 Molecular Biology of the Cell
BCH 761 Advanced Molecular Biology of the Cell
CBS 754 Principles of Analytical Epidemiology CBS 762 Principles of Pharmacology
CBS 770 Cell Biology
CBS (TOX) 771 Cancer Biology
CBS 795A Special Topics: Veterinary Pathology I. General Pathology GN 820 Professional Development
HS 707 Environmental Stress Physiology MB 751 Immunology
MEA 540 Principles of Physical Oceanography MEA 750 Marine Benthic Ecology
PHY 503 General Physiology I PHY 504 General Physiology II
PHY 780 Mammalian Endocrinology
ZO 509 Ecology of Stream Invertebrates
ZO 513 Comparative Physiology
ZO 524 Comparative Endocrinology

Courses not listed above but approved by the students advisory committee can also be included toward the 6 credit hour elective requirement. Course descriptions can be found at the [Registration and Records website](#).

[NCSU Graduate Catalog](#)

Biotechnology (Minor Program)

Professor R. M. Kelly, Director

Box 7512

919.515.4230

Email: rmkelly@ncsu.edu

Home page: <http://biotech.ncsu.edu>

The Biotechnology Program includes faculty from over 20 departments in the Colleges of Agriculture and Life Sciences, Science, Engineering, Natural Resources and Veterinary Medicine Courses in the program provide hands-on experience in cutting-edge research techniques, as well as experimental design and analysis. The graduate minor is available to students who successfully complete six to eight credit hours in selected laboratory core courses described below and conduct their graduate thesis research in an area of biotechnology. Graduate students must include the minor in their Plan of Work, and at least one member of the student's thesis committee must be a member of the [Biotechnology faculty](#).

REQUIRED (4 credits)

BIT 510 Core Technologies in Molecular and Cellular Biotechnology (4 credits)

BIOTECHNOLOGY LABORATORY ELECTIVES (2 credits each)

For a complete listing of all elective courses, please visit the [BIT website](#). Some of these include:

BIT 564 Protein Purification

BIT 566 Animal Cell Culture

BIT 571 RNA interference and model organisms

BIT 573 Protein Interactions

BIT 572 Proteomics

BIT 577 Metagenomics

BIT 579 Yeast Metabolic Engineering

BIT 595 Special Topics

Students may be approved by an [Academic Coordinator](#) of the BIT Program to place out of BIT 510 if they have substantial practical experience and conceptual knowledge of the material covered, and can then instead take one additional 2-credit BIT advanced laboratory elective course (completing the minor requirements with 6 credits of coursework rather than 8).

Cognitive Science (Minor Program)

Dr. Ronald P. Endicott, Program Director
Department of Philosophy and Religious Studies
NCSU Box 8103
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Cognitive Science is an area of interdisciplinary research that seeks to understand the nature, processes, and evolution of mind. The Cognitive Science Program is administered by the Department of Philosophy and Religious Studies and supported by a strong faculty drawn from the fields of Psychology, Neurobiology, Computer Science, Linguistics, and Philosophy. The program thus fosters development of ideas and theories within the disciplines of Cognitive Science, for example, theories of rational agency, logical reasoning, cognitive processing, computational psychology, artificial intelligence, neurobiology, and the evolution of cognitive systems.

Requirements: Graduate students who minor in Cognitive Science must complete a minimum of nine hours of courses (or more as determined by the student's committee), with a grade of B or better, distributed as follows.

One core courses (3 hrs):

PHI/PSY 525 Introduction to Cognitive Science

Two additional courses (6 hrs) outside the degree-granting program from the following:

PSY 500 Visual Perception
PSY 502 Physiological Psychology
PSY 508 Cognitive Processes
PHI 540 The Scientific Method
CSC 520 Artificial Intelligence I
CSC 522 Automated Learning and Data Analysis
CSC 707 Automata, Languages and Computability Theory
CSC 720 Artificial Intelligence II
ENG 524 Introduction to Linguistics
ENG 584 Studies in Linguistics
ZO 588 Neurobiology

Any student who has previously completed the equivalent of the above core course for credit toward another degree (e.g., PHI/PSY 425 as an undergraduate) is required to complete an additional course (3 hours) from the above list.

Up to three credits of equivalent graduate course work may be accepted in the place of one course on the list above, subject to the approval of the Director for the Cognitive Science Program.

Graduate Students who wish to minor in cognitive science must declare the minor on their Graduate Plan of Work, which they develop with their graduate advisory committee. This committee must include a representative of the minor, and the student must send a copy of the Plan of Work to the Director of the Cognitive Science Program.

Computational Engineering and Sciences (Minor Program)

GRADUATE FACULTY

Professor Yousry Azmy, Program Coordinator

The Computational Engineering and Sciences Program includes faculty from twelve departments in the College of Engineering and College of Sciences. Graduate students pursuing graduate study toward a master's or Ph.D. degree in one of the participating science or engineering departments may elect this program in place of the traditional minor. [Note that students wishing to earn a graduate degree in mathematics or computer science should reference these departments' sections of the Graduate Catalog for details on options available in computational mathematics and scientific computing.] To complete the program requirements, a student must successfully complete a sequence of graduate-level applied mathematics and computer science courses and, if a research dissertation is required, utilize advanced computational techniques in the course of conducting the research.

The Computational Engineering and Sciences Program is designed to efficiently prepare graduate students to undertake research utilizing scientific computing by combining course work in applied mathematics and computer science in addition to course work in the traditional major. The program recognizes that the area of scientific pursuit, numerical simulation, has emerged as a new paradigm for scientific inquiry complementing theory and laboratory experiment. Typical areas of research include, but are not limited to, computational fluid dynamics, molecular dynamics, radiation transport, quantum chemistry and atmospheric modeling. Admission to the program is gained after enrollment in the Graduate School and the graduate program is underway. Program course requirements are selected from applied mathematics and computer science courses listed elsewhere in this Graduate Catalog. Typical courses that may be selected to satisfy this program's requirements include numerical analysis, numerical linear algebra for parallel architectures, stochastic simulation, computer operating systems, digital systems architecture, computer graphics, compiler construction, software engineering, and design and analysis of algorithms.

Ecology (Minor Program)

Rebecca Irwin, Coordinator
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Ecology is the science concerned with the interactions of organisms with each other and with their environment. It is an integrative science through which one gains an understanding of biological and physical interrelationships and predicts the consequences of altering one or several components. Students in a number of basic and applied curricula may elect to minor in ecology at the M. S. and Ph.D. levels. The minor provides an opportunity for a broad overview of the science of ecology.

The ecology minor is an interdepartmental program drawing faculty from the Departments of Applied Ecology, Biological Sciences, Crop and Soil Science, Entomology and Plant Pathology, Forestry and Environmental Resources, Marine, Earth and Atmospheric Sciences, Parks, Recreation and Tourism Management, Plant and Microbial Biology, and Statistics. The Director of the Biology Graduate Program (DGP) administers the Ecology minor.

Requirements for a Minor in Ecology

A graduate student's advisory committee must include one member who conducts research in Ecology. This committee member must be from a department other than that of the chairman of the student's committee and should be chosen in consultation with the Ecology minor DGP.

M.S. minor: A minimum of 9 credit hours of approved Ecology graduate courses, including AEC 502 and AEC 503. The remaining courses can be chosen in consultation with the Ecology minor DGP and must be outside the student's major discipline.

Ph.D. minor: A minimum of 12 credit hours of approved Ecology graduate courses, including AEC 502 and AEC 503. The remaining courses can be chosen in consultation with the Ecology minor DGP and must be outside the student's major discipline. No courses used to meet the Ecology minor requirements for the M.S. degree may be used to meet the Ph.D. minor requirements.

Environmental Remote Sensing and Image Analysis (Minor Program)

Dr. Siamak Khorram
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This graduate minor provides graduate students the opportunity to develop a recognized academic credential in remote sensing and image analysis in conjunction with their major program of graduate study. A minimum of 12 credit hours, 6 credit hours of required courses and 6 credit hours of elective courses, is required to complete the minor.

Prerequisite: Graduate status (non-Option B).

Course Requirements: Students must complete a total of 12 credit hours (6 hours from required courses and 6 hours from electives). See the [Remote Sensing Minor](#) website for more details.

Other Requirements: A GIST faculty member must be on the student's graduate committee. A list of currently approved faculty members can be provided to students upon request. If no graduate committee is required by the student's program, the student must obtain approval of his or her minor program. Students enrolled in Option B Masters programs are not eligible to declare a minor. Certificate coursework and Minor coursework must be completely independent

Food Safety (Minor Program)

GRADUATE FACULTY

William Neal Reynolds Professor Lee-Ann Jaykus, Director

Email: leeann_jaykus@ncsu.edu

The primary objective of the Food Safety minor is to prepare science professionals with the depth and breadth of training necessary to understand and to control food safety challenges. The minor is directed in the Department of Food, Bioprocessing and Nutrition Sciences with participation by other departments in the Colleges of Agriculture and Life Sciences and Veterinary Medicine. However, it is open to all students having a science background that includes the disciplines of microbiology, biochemistry and molecular biology, and statistics. It is highly desirable that formal course training in food microbiology and/or preservation be part of each student's academic program, either before or concurrent with courses in the minor. Graduate students earning the minor are required to complete all 10 credits from the core courses listed below.

CORE COURSES

FSA 520 Pre-harvest Food Safety

FSA (FS) 530 Post-harvest Food Safety

FSA (FS) 540 Food Safety and Public Health

FSA (FS) 580 Professional Development and Ethics in Food Safety

Genetic Engineering and Society (Minor Program)

Professor F. Gould, co-Director
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Professor J. Delborne, co-Director
5221 Jordan Hall Addition
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AgBioFEWS home page: <https://research.ncsu.edu/ges/academics/agbiofews/>

Overview: The interdisciplinary minor in Genetic Engineering and Society (GES) examines the technological, societal and ecological issues surrounding the development and potential use of genetically engineered organisms. Participants in the minor will learn the basic concepts and principles underlying genetic engineering and the methods used for evaluating the technology's social, cultural and environmental dimensions. The graduate minor is available to students pursuing either an MS or a PhD degree.

Requirements: In order to complete the minor, coursework must be taken in relevant areas of natural sciences and the humanities and social sciences. 9 credit hours from a list of approved courses (see below) are required, 6 of which must be the two core GES courses. The remaining 3 credit hours must be fulfilled by a course from the list of approved courses that is outside the students' home discipline. A grade of B or higher must be achieved in each course counted towards the minor. In addition, a student must have a GES faculty member on his or her committee (see [GES program homepage](#) for a list of the GES faculty), and this faculty member should be from a discipline other than the student's major, ensuring that there is representation from both humanities/social science and natural science.

The choice of courses must be consistent with the interdisciplinary outlook of this minor, namely that students will learn the basic concepts and principles underlying genetic engineering and the methods used for evaluating the technology's social, cultural and environmental dimensions. The minor representative will be responsible for ensuring that the courses taken are appropriate and balance the student's major. Students in the biological sciences will be encouraged to take hands on courses, such as those offered by the BIT program.

Approved courses

Core courses:

GES/ENT 506 (3 CR) Principles of Genetic Pest Management
GES/COM 508 (3 CR) Emerging Technologies and Society
GES 591 (3 CR) Governance, Systems and Modeling

Other approved courses:

ANT 550 Culture, Ecology, and Sustainable Living
BIT 410/510 Manipulation of Recombinant DNA
COM 536 Seminar in Environmental Communication
ECG 540 Economic Development
ENG 515 Rhetoric of Science and Technology
FW 411/511 Human Dimensions of Wildlife Management
GN 735 Genomic Science
HI 540 Topics in Environmental History
HI 581 History of the Life Sciences
HI 585 History of American Technology
NR 571 Current Issues in Natural Resource Policy
REL 571 Darwinism and Christianity

PA 598/798 Science and Technology Policy
PHI 475/575 Ethical Theory
PSY 757 Innovation and Technology
ST 590 A,C Bioinformatics I/II

Additional courses may be added to the approved list, as determined by the Executive Committee. Courses may be substituted at the Co-Directors' discretion.

Geographic Information Systems (Minor Program)

Dr. Eric Money

Center for Geospatial Analytics

NCSU Box 7106

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Website: <https://cnr.ncsu.edu/geospatial/academics/programs>

The Geographic Information Systems (GIS) minor provides an academic credential for students who have developed some GIS application skills while pursuing a graduate degree in another discipline. It is designed for students who wish to master the basics of GIS analysis and to develop more advanced skills in a particular application area.

Prerequisite: Graduate status (non-Option B).

Course Requirements: Students must complete a total of 9 credit hours (6 hours from required courses and 3 hours from electives). See [GIS minor website](#) for course details.

Other Requirements: A GIST faculty member must be on the student's graduate committee. A list of currently approved faculty members can be provided to students upon request. If no graduate committee is required by the student's program, the student must obtain approval of his or her minor program. Students enrolled in Option B Masters programs are not eligible to declare a minor. Certificate coursework and Minor coursework must be completely independent.

Interdisciplinary Minor

The interdisciplinary minor requires two or more areas of coursework to be represented with a faculty member representing one of the areas of coursework. Students who are interested in an interdisciplinary minor should contact their Directors of Graduate Programs for more information.

Plant Physiology (Minor Program)

GRADUATE FACULTY

Professor T. W. Rufty Jr., Coordinator
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The plant physiology program is an interdepartmental offering. Although not a formal degree program, students may elect to major or minor in the plant physiology program at both the M.S. and Ph.D. levels. Students entering the program should have appropriate knowledge in plant biology, biochemistry, mathematics and physics. Some formal training in genetics and statistics is normally expected.

When majoring in plant physiology, students will be closely affiliated with the same department as their major professor. As such, they will be required to meet respective departmental requirements for teaching, written and oral examinations, and seminar attendance. Departments currently participating in this program are: Biochemistry, Botany, Crop Science, Forestry, Genetics, Horticultural Science, Plant Pathology, and Soil Science. The chair or co-chair of the student's advisory committee must be a member of the Plant Physiology Faculty.

The purpose of the plant physiology curriculum is to ensure that students obtain substantive understanding of the physiological processes controlling plant behavior. The course requirements for graduate students are set by each graduate committee. Advanced knowledge is expected in biochemistry, plant physiology, plant structure and function, and molecular biology.

Water Resources (Minor Program)

Josh Heitman, Chair
Soil Science
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The interdisciplinary, interdepartmental graduate minor in water resources is designed for students majoring in the many disciplines of natural resources, science, engineering, technology, and social sciences that are relevant to water resources. The minor exposes students to water resources courses and faculty members within and outside their major fields of study.

The graduate minor in water resources (WR) requires successful completion (“B-” or better in each individual WR course, GPA of 3.0 or better across all WR courses counted toward the minor) of at least 9 credits of WR courses chosen from the lists below. At least 3 of the 9 credits (for M.S. students) or 6 of the 9 credits (for Ph.D. students) must be from outside the student’s major department. For M.S. students (not Ph.D. students), up to 3 credits at the 400-level may be included if these credits are from outside the student’s major department. For students earning an M.S. before enrolling in a Ph.D. program, courses taken to satisfy a WR minor in the M.S. program can not be counted toward a WR minor in the subsequent Ph.D. program. However, WR courses taken during the M.S. program may count toward a WR minor in the subsequent Ph.D. program if the M.S. program did not include a WR minor.

WATER RESOURCES COURSES

Hydrological and Meteorological Aspects of Water Resources

BAE 502 Instrumentation for Hydrologic Applications
BAE 570 Soil Water Movement
BAE 576 Watershed Monitoring and Assessment
BAE 577 Introduction to the Total Maximum Daily Load Program
BAE 579 Stream Channel Assessment and Restoration
BAE 581 Open Channel Hydraulics for Natural Systems
BAE 583 Ecohydraulics and River Corridor Function
BAE 584 Introduction to Fluvial Geomorphology
BAE(SSC) 771 Theory of Drainage-Saturated Flow
CE 584 Hydraulics of Ground Water
CE 586 Engineering Hydrology
CE 607 Water Resource and Environmental Engineering Seminar
FOR(NR) 420/520 Watershed and Wetlands Hydrology
MEA 455 Micrometeorology
MEA 481 Principles of Geomorphology
MEA 485 Introduction to Hydrogeology
MEA 513 Radar Meteorology
MEA 585 Physical Hydrogeology
MEA 706 Meteorology of the Biosphere
MEA 715 Dynamics of Mesoscale Precipitation System
SSC 470/570 Wetland Soils
SSC 511 Soil Physics

Water Quality Aspects of Water Resources

BAE 473 Introduction to Surface/Water Quality Modeling
BAE(SSC) 573 Introduction to Surface Hydrologic/Water Quality Modeling
MEA 760 Biogeochemistry
MEA 763 Geochemistry
MEA 785 Chemical Hydrogeology
SSC 442 Soil and Environmental Biogeochemistry
SSC 521 Soil Chemistry

Water Engineering and Management Aspects of Water Resources

BAE 471 Land Resources Environmental Engineering
BAE 472/572 Irrigation and Drainage
BAE 574 DRAINMOD: Theory and Application
BAE 575 Design of Structural Stormwater Best Management Practices
BAE 578 Agricultural Waste Management
BAE 580 Introduction to Land and Water Engineering
CE 484 Water Supply and Waste Water Systems
CE 571 Physical Principles of Environmental Engineering
CE 574 Chemical Principles of Environmental Engineering
CHE 575 Advances in Pollution Prevention: Environmental Management
CS(HS,SSC,TOX) 725 Pesticide Chemistry
CS(HS,SSC,TOX) 727 Pesticide Behavior and Fate in the Environment
NR 521 Wetland Assessment, Delineation, and Regulation
PCC 401 Manufacturing and its Impact on Safety, the Environment, and Society
SSC 562 Environmental Applications of Soil Science
WPS 725 Pollution Abatement in Forest Products Industries
WPS 750 Wastewater Treatment in the Paper Industry

Biological and Ecological Aspects of Water Resources

BIO 441 Biology of Fishes
BIO 442 Biology of Fishes Laboratory
FOR 595 Mountain Ecohydrology
FW(BIO) 420 Introduction to Fisheries Science
FW(ZO) 586 Aquaculture I
FW(ZO) 587 Aquaculture I Laboratory
MEA 756 Ecology of Fishes
PB(ZO) 760 Principles of Ecology
PB(MB) 774 Phycology
SSC 461 Soil Physical Properties and Plant Growth
ZO 519 Limnology

Legal, Institutional, and Economic Aspects of Water Resources

EC(ARE) 436 Environmental Economics
ECG 515 Environmental and Resource Policy
ET 460 Practice of Environmental Technology
LAR 430 Site Planning
LAR 512 Landscape Resource Management
NR 460 Renewable Natural Resource Management and Policy
NR 571 Current Issues in Natural Resource Policy
NR 484 Environmental Impact Assessment
PA 550 Environmental Policy

Women's and Gender Studies (Minor Program)

Karey Harwood, PhD
Coordinator, Women's and Gender Studies
Associate Professor
Department of Philosophy and Religious Studies
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The minor provides graduate students in the humanities, social sciences and sciences with the theories and the methodologies to study women and gender relations. The minor is intended to support and further students' research in their own field.

- Nine hours of graduate credit are required with a B or better in each course.
- No more than three hours of course work may overlap between the major department coursework requirement and the Women's and Gender Studies minor. Students may choose from the courses listed on the website and/or a list of approved special topics courses.
- Because the Minor is an interdisciplinary one, at least one of the courses needs to be in a field different from that of the graduate program in which the student is enrolled.
- All courses must be taught by the Women's and Gender Studies Affiliated Faculty.
- An Affiliated Faculty member (not in the field of the degree graduate program) must sit on the master's or dissertation committee.

The Administration and Leadership certificate is closed to new student enrollment. Please visit the Department of Youth, Family, and Community Sciences website for information on our current certificate offerings.

The Department of Youth, Family, and Community Sciences (YFCS) at North Carolina State University is proud to offer graduate distance education programs designed to prepare and strengthen current and future professionals. The Youth, Family, and Community Sciences online programs create and advance the careers of those who work with youth and/or families in community-based settings.

Admissions: Students apply online at <http://www.ncsu.edu/grad/applygrad.htm>.

Requirements: A Graduate Certificate in Administration and Leadership – Family and Youth Programs requires a total of 12 credit hours. Nine (9) credit hours are required courses, with the remaining 3 credit hours of electives. All courses are offered online only.

Required Courses (9 credit hours)

FYD 550 Youth and Family Professionals as Leaders

FYD 554 Collaborations and Partnerships in Youth and Family Settings

FYD 556 Organizational Systems in Youth and Family Settings

Electives (3 credit hours)

Approved course in Family Life and Youth Development (FYD)

The Department of Agricultural and Extension Education offers a Graduate Certificate in Agricultural and Extension Education. The program focuses on developing knowledge and skills needed to be effective teachers of agriculture in the public schools and community colleges or to work as an educator with the Cooperative Extension Service or in other non-formal educational settings such as public gardens, nature centers and in international development.

Admissions: Students apply online by visiting the Graduate School's website and completing an ApplyYourself online application. Students currently in a graduate degree program should contact the program director for information regarding adding the certificate program to an existing degree program.

Requirements: The certificate program involves completion of 15 credit hours and the preparation of a professional portfolio. The career goals of the student will determine which sequence of courses to take.

Agricultural Education Focus	Extension Education Focus
AEE 500 Agricultural Education, Schools and Society	AEE 501 Foundations of Agricultural and Extension Education
AEE 501 Foundations of Agricultural and Extension Education	AEE 521 Program Planning in Agricultural and Extension Education
AEE 503 Youth Program Management	AEE 523 Adult Education in Agriculture
AEE 522 Occupational Experience in Agriculture	AEE 533 Leadership and Management of Volunteers in Agricultural and Extension Education
AEE 524 Coordinating the High School Agricultural Education Program	AEE 560 Organizational and Administrative Leadership in Agricultural and Extension Education
AEE 529 Curriculum Development in Agricultural and Extension Education	AEE 577 Evaluation in Agricultural and Extension Education
AEE 535 Teaching Agriculture in Secondary Schools	AEE 705 International Agricultural Development
AEE 641 Practicum in Agricultural and Extension Education	AEE 641 Practicum in Agricultural and Extension Education
AEE 735 Effective Teaching in Agriculture and Life Sciences	

Students who are are interesting in obtaining teacher licensure from the state of North Carolina should make their intentions known to the program director so that specific state requirements are met. Directions for preparing the professional portfolio can be obtained from the program director.

In the Graduate Certificate in Applied Statistics and Data Management, students will learn statistical methods and how to apply them in real world settings and about statistical programming techniques that are required for managing data in a typical workplace environment. The skills learned are critical in many work settings and should enable job changes within or between companies. The course requirements for this graduate certificate are:

- Statistical Methods I: ST511 (or ST513)
- Statistical Methods II: ST512 (or ST514)
- Statistical Programming I (Basic SAS): ST555
- Statistical Programming II (Advanced SAS): ST556 or Data Science for Statisticians (Taught using R): ST558

Admissions: The application process is very simple, there are no official prerequisites except for an undergraduate degree. Applicants should demonstrate an appropriate level of mathematical maturity to allow them to succeed in the certificate program. Examples of this would include successful completion of undergraduate coursework or professional work in a quantitative field. Note that the GRE is not required to apply and we only accept students living in North America.

Requirements: The certificate will be earned by successful completion of four courses listed above with an average GPA of at least 3.0.

The Graduate Certificate in Biology for Educators will provide additional training in biological sciences to K-12 teachers and other educators. The certificate will provide recognition to those individuals who complete 12 credit hours of coursework in graduate level biology, with the option to complete up to 18 credit hours for those interested in teaching AP courses or teaching at the community college level (dependent on individual community college credential requirements). All students will choose between four and six courses (3 credits each) in topic areas that align with their own goals, including a capstone course in the science of learning. Course topics will include animal behavior, communicable and non-communicable diseases, toxicology, evolution, genetics and microbiology. Faculty are continuing to develop new courses to increase options.

The Graduate Certificate in City Design is a joint program between the School of Architecture and the Department of Landscape Architecture. In addition, the Graduate Certificate in City Design is an interdisciplinary and inter-university initiative, reflecting the nature of city design practice. The program aims to bring together students and faculty from landscape architecture, architecture, and city and regional planning into an interactive and team-based learning context.

The City Design program promotes design inquiry and application at the scale of the city for students and practitioners of architecture, landscape architecture, and city and regional planning. The program's objectives are to consider the human condition, particularly in making significant urban places; design integrated system of movement with increased accessibility; promote a greater mix of uses and amenities within a well-scaled urban fabric; foster new opportunities for energy production, collection and saving at the local scale; define new means of 'greening' the city; and capture greater senses of identity, meaning, and quality within the city fabric.

Admissions: Applicants must complete an application form to be considered for the certificate program. To qualify for admission to the certificate program, students must be enrolled in (or have completed) a professional program in architecture. At the time of application, students must have a 3.00 grade point average (GPA) in their professional degree program.

Requirements: Students must complete 15 hours of coursework from the course menu, as specified in the certificate application, and have a minimum of 3.00 GPA on all certificate coursework. All grades on courses taken towards the certificate program in courses numbered 400 and above are included in the GPA. Courses at the 300 level and below are not eligible for certificate credit and subsequently do not affect the graduate GPA.

The minimum grade to receive certificate credit can be no lower than B-. Students who take letter-graded 400-, 500-, and 700-level courses do not have the option of taking the courses for 'credit only' if they intend for the course to be part of the graduate certificate. Transfer credit from other institutions is not allowed for the graduate certificate. All course work must be registered through NC State University.

All certificate requirements must be completed within four (4) calendar years, beginning with the date that the student commences courses applicable to the certificate, unless a more restrictive time limit has been established by the program or academic college/school.

A student may obtain more than one certificate. Each certificate must have a least nine (9) credit hours that are unique to it.

Other Information: Students in City Design certificate program will join an academic and professional community that offers a broad range of extracurricular activities, including the College of Design annual Urban Design Conference, visiting lecturers, colloquia, and *City Forum*, a regularly scheduled series of brown bag discussions coordinated by the City of Raleigh Urban Design Center.

Note that academic success might have a strong bearing on admission to a degree program, but completion of the certificate program in no way guarantees entry into a graduate degree program. For more information regarding course requirements and the application process, please contact the certificate program coordinator.

The Graduate Certificate in Climate Adaptation program at NC State University provides accredited, academic training in the emerging field of climate adaptation. The online, twelve credit program is designed to provide mid-career professionals and entry-level students with technological skills and specialization in climate adaptation. The certificate is a fully accredited credential and a potential path toward the Climate Adaptation degree program. Coursework includes Fundamentals of Climate Change Science, Climate Risk Analysis, Climate Communication and Introduction to Geographic Information Systems.

Admission Requirements: Applicants must meet one of the 3 following requirements:

- Be a graduate of an accredited four-year college or university, and have a GPA of at least 3.0 on a 4-point scale in their last 60 credit hours of undergraduate study.
- Have a Master's degree.
- Be a degree student in good standing in a NC State University graduate program.

We recommend that students in a NC State University graduate program may apply after completing two of the courses required for the graduate certificate program with at least B grades. The graduate certificate program Director will manage the admissions process in consultation with the MEAS Director of Graduate Programs.

Provisional Admission: Applicants who do not meet the graduate certificate program requirements for full admission may be admitted provisionally based on the quality of their letters of recommendation and other criteria at the discretion of the Certificate Program Director and MEAS Director of Graduate Programs. Students who are admitted provisionally must maintain a 3.0 GPA in order to obtain full admission into the certificate program.

Program of Study: The graduate certificate requires a minimum of 12 hours, and includes the following courses:

- MEA 517 Fundamentals of Climate Change Science
- MEA 518 Climate Risk Analysis
- MEA 519 Barriers to Climate Change Literacy
- GIS 510 Introduction to Geographic Information Science

The Graduate Certificate in Consumer Textile Product Design and Development (GCCTPDD), offered by the Department of Textile and Apparel, Technology and Management, will provide NC State graduate students the opportunity to develop recognized academic credentials in Consumer Textile Product Design and Development in addition to their major area of graduate study. Also it will offer non-degree graduate-level students the opportunity to develop recognized advanced expertise in Consumer Textile Product Design and Development.

Applications: New applicants to the university must submit a Program Application, a resume identifying educational preparation and work experiences, and official transcripts of all undergraduate and graduate course work. You must apply online through the Graduate School [application portal](#). Prior to completing the first course after being accepted into the program, students prepare and submit two copies of a contract using the Certificate Contract Application. The contract includes a statement of career goals, a rationale for completing the certificate program, and a timeline for certificate completion. Students can always elect to review their application with the Certificate Coordinator prior to contract preparation.

Academic Requirements: Applicants must meet one of the three following requirements:

- Be a graduate of an accredited four-year college or university, and have a GPA of at least 3.0 on a 4-point scale in their last 60 credit hours of undergraduate study;
- Be a degree student in good standing in an NC State University graduate program;
- Have a Master's degree.

Program of Study: The Graduate Certificate in Consumer Textile Product Design and Development requires a minimum of 15 hours, and includes the following courses:

Core Courses (6 hours)

TTM 580 Consumer Perspectives in Fashion (3 hours)

TTM 585 Market Research in Textiles (3 hours)

Advanced Courses (minimum 9 hours)

TTM 515 Apparel Production (3 hours)

TTM 517 Advanced Computer-Aided-Design for Fashion (3 hours)

TT 570 Textile Digital Design and Technology (3 hours)

TT 571 Professional Practices in Textile Design and Technology (3 hours)

TTM 510 Apparel Technology Management (3 hours)

TTM 632 Independent Study in Consumer Textile Product Design and Development (3 hours)

For more details about the Graduate Certificate in Consumer Textile Product Design and Development, please visit the [program website](#).

Graduate Certificate Program (online): Our innovative online program prepares school teachers, administrators, staff, advisors, tutors in schools and universities, human service workers, and individuals interested in counseling work to advocate and support students, their families, clients and local communities. Our certificate program allows students to learn in a flexible environment, with flexible online classwork, without the hassle of traffic and on-campus parking. Students will meet online each week for a 90-minute interactive discussion with the professor, instructors and classmates, in order to stay connected and challenged. The certificate program alone does not prepare students to work as professional counselors. In order to work in professional counseling, additional classes, training and licensure will be required through a master's degree program.

Admission Requirements: Applicants should have a 3.0 GPA but may be admitted provisionally based on related graduate classes completed in the field of education, human services or training and development, and, ultimately, by earning at least a "B" (3.0) average in the first GCCE class.

- Completed online Graduate School application and admission fee
- Resume outlining education and work experience

Admission to the GCCE online program takes place in the spring for a summer start. Rolling base admissions are possible if seats are available. Email us at ncsu_gcce@ncsu.edu with any questions.

Graduate Certificate in Counselor Education Requirements: Students admitted to this program are required to complete four online courses: ECD 510 Orientation to Professional Counseling, Identity, and Ethics, ECD 530 Theories of Counseling, ECD 524 Career Counseling, and ECD 525 Multicultural Counseling.

The Department of Biological and Agricultural Engineering offers a Graduate Certificate Program in Design and Analysis of Environmental Systems: Watershed Assessment and Restoration.

Objectives

1. Provide a focus and formal program for students from many disciplines to pursue training in the technical and engineering aspects of designing and analyzing environmental systems with an emphasis on the watershed-scale.
2. Provide students the opportunity to develop a solid foundation in engineering systems targeted at environmental issues, particularly related to non-point sources and their impact on water quality at the watershed-scale.
3. Provide practicing engineers and other professionals a source of graduate level engineering education in the environmental field.

Admission Requirements: Applicants must have successfully completed an accredited undergraduate engineering program with a GPA of 3.0 (based on a 4.0 scale), or with an overall undergraduate GPA of at least 2.8 coupled with a 3.0 or higher in the undergraduate major, or be currently enrolled in a graduate engineering program. Applicants with a four-year undergraduate science degree who have successfully completed (with a C or better) calculus, differential equations, physics and chemistry will also be considered. A program that includes fluid mechanics or hydraulics is highly recommended. Environmental professionals who do not meet the above criteria may also qualify if appropriate experience can be demonstrated.

Program Requirements: A minimum of 12 hours of coursework selected from the list below. One course can be selected from outside of BAE (up to 2 credit hours), but at least 9 credit hours must be BAE courses.

At least 9 hours from the following:

BAE 502 Instrumentation for Hydrologic Applications
BAE 528 Biomass to Renewable Energy Processes
BAE 535 Precision Agriculture Technology
BAE 573 Hydrologic and Water Quality Modeling
BAE 574 Drainmod
BAE 575 Design of Structural Stormwater Best Management Practices
BAE 576 Watershed Monitoring and Assessment
BAE 578 Agricultural Waste Management
BAE 579 Stream Channel Assessment and Restoration
BAE 580 Introduction to Land and Water Engineering
BAE 581 Open Channel Hydraulics for Natural Systems
BAE 582 Risk and Failure Assessment of Stream Restoration Structures
BAE 583 Ecohydraulics and River Corridor Function
BAE 585 Integrating AutoCAD, Civil3D, and GIS
BAE 590 Introduction to Fluvial Geomorphology
BAE 590 GIS Applications in Precision Agriculture
BAE 590 Wetland Design
BAE 590 Water / Nutrient Management for Sustainability
BAE 590 Biogeochemical Processes
BAE 771 Theory of Drainage – Saturated Flow
BAE 774 Theory of Drainage – Unsaturated Flow

Up to 3 credit hours can be selected from the following:

CE 580 Flow in Open Channels
CE 584 Hydraulics of Groundwater
CE 586 Engineering Hydrology
CE 775 Modeling and Analysis of Environmental Systems
CE 776 Advanced Water Management Systems
CE 784 Ground Water Contaminant Transport
CE 785 Urban Stormwater Management
SSC 511 Soil Physics
SSC 562 Environmental Applications of Soils
SSC 570 Wetland Soils

The Certificate in Digital Humanities is designed for students from any discipline to construct a curriculum in digital humanities training and project work. The certificate is currently coordinated in the English department with participation across CHASS and other colleges.

The Graduate Certificate consists of a student-proposed curriculum of four 3-credit courses which must collectively satisfy the program's three requirements: contexts, training, and applications. In consultation with the coordinator, students can propose their own tracks through the certificate drawing from a broad array of approved courses at NC State as well as at UNC and Duke, as part of the Triangle Digital Humanities Network. Rather than insisting on a prescriptive definition and preset curriculum for "digital humanities," this certificate program encourages students to adapt course offerings in digital humanities or digital media to their own evolving research and professional interests in any variety of fields.

To qualify for admission to the Graduate Certificate in Digital Humanities, students must be enrolled in, or have completed, a Master's or PhD program at an accredited university. Applicants can be either non-degree or degree students. Degree students must have at the time of application a 3.00 grade point average in their graduate degree program. Non-degree students must have a final grade point average that is at least 3.00. Current degree students in English or CRDM may include no more than six (6) credits from the Certificate program in their degree program. Current degree students in History can apply up to nine (9) towards a doctorate. Students seeking the certificate from other programs must consult with those graduate coordinators to confirm allowed credits toward degree. The certificate will accept up to three hours of transfer credit from courses included in the curriculum. All GCP requirements must be completed within three (3) calendar years beginning on the date the student commences applicable courses.

Curriculum: Courses from which applicants can develop a proposal for admission to the program.

NC State University:

Department of English, CHASS

ENG 506 Verbal Data Analysis

ENG 519 Online Information Design and Evaluation

ENG 582 Introduction to Digital Humanities

ENG 583 Digital Media Theory *

ENG 583 Introduction to Humanities Physical Computing *

ENG 583 Emerging Genres

ENG 584 Studies in Linguistics: Laboratory and Computational Tools

CRD 702 Rhetoric and Digital Media

Department of History, CHASS

HI 534 History and Digital Media

HI 599 The Practice of Digital History

Department of Communication, CHASS

COM 537 Gaming and Social Networks

COM 547 Mobile Technologies and Social Practices

Department of Computer Science, COE**

CSC 116 Introduction to Computing - Java

CSC 281 Foundations of Interactive Game Design

Department of Art + Design, COD

ADN 419 Multimedia and Digital Imaging***

ADN 423 Digital Modeling

ADN 502 Advanced Visual Laboratory***

ADN 503 Graduate Seminar in Art and Design

ADN 561 Digital Animation and Imaging Seminar***

College of Education (CED)

ECI 511 Computer Applications and Curriculum Integration
ECI 512 Emerging Technologies for Teaching and Learning
ECI 513 Teaching and Learning with Digital Video
ECI 514 Multimedia Design and Applications in Instruction
ECI 515 Online Collaborations in Education
ECI 516 Design and Evaluation of Instructional Materials
ECI 546 New Literacies and Media
ECI 717 Advanced Multimedia Design and Applications in Instruction

* These special topics courses will be turned into permanent courses this spring, 2013-14.

** Courses at the 200-level cannot count toward the certificate's credit hours but may be elected.

*** These courses have prerequisites in the College of Design: ADN 419 requires D105 and ADN 219; ADN 561 requires AND 460 and ADN 419.

Additional courses available at UNC Chapel Hill:

School of Information and Library Sciences (SILS)

INLS 490 Usability Engineering
INLS 512 Applications of Natural Language Processing
INLS 613 Text Mining
INLS 720 Metadata
INLS 740 Digital Libraries
INLS 890 Making the Humanities Digital

Journalism & Mass Communication

JOMC 491 Mobile App Design and Development
JOMC 581 Multimedia Design
JOMC 582 Interactive Multimedia Narratives
JOMC 583 Multimedia Programming and Production
JOMC 584 Documentary Multimedia Storytelling
JOMC 585 3D Design Studio
JOMC 586 Intermediate Multimedia

American Studies

AMST 840 Digital Humanities/Digital History
AMST 850 Digital Humanities Practicum

For course descriptions, please refer to the NCSU listing of courses.

For further information, see the [DH certificate website](#).

Graduate students and working professionals can now earn a new credential to kick-start or advance their career in the biopharmaceutical industry. Applications are currently being accepted for two new BTEC graduate certificate programs. The Downstream Biomanufacturing graduate certificate offers NC State graduate students and working professionals the opportunity for hands-on learning in BTEC's industry-scale simulated cGMP facilities.

Each certificate requires 12 hours of graduate coursework, which can be transferred to the Master of Biomanufacturing program. The majority of BTEC's graduate courses are offered in the evening or online to better accommodate working professionals.

Admission Requirements: Applicants must apply to the Graduate School <http://www.ncsu.edu/grad/applygrad.htm>. Those applicants who are currently enrolled in an NC State graduate program need only provide the Graduate Student Certificate Plan Data Entry forms, <http://ncsu.edu/grad/faculty-and-staff/docs/grad-cert-plan-data-entry.pdf>. An application for acceptance into a certificate programs is required for all new applicants once the student has:

1. either have graduated with a baccalaureate degree in a science or engineering discipline with a minimum GPA of 3.0 or
2. have complete one or more 500+ level BEC courses which satisfy the certificate requirement with a grade of B- or better on the first enrollment in every course completed.

Certificate Degree Requirements: To earn the Graduate Certificate in Downstream Biomanufacturing, students must complete the following list of core courses and complete a minimum total of 12 credit hours. The grade in each course for the Certificate must either be B- or higher, or CR (600-level courses only), and the over-all GPA for the Certificate courses must be 3.00 minimum.

Transfer credit from other institutions will not be allowed for the Certificate. All course work must be registered through NC State University.

Required Unique Courses (9 credits total)

BEC 532 Biological processing science (2 credits)
BEC 536 Introduction to downstream process development (2 credits)
BEC 585 cGMP downstream operations (2 credits)
BEC 575 Global Regulatory Affairs (3 credits)

Additional Courses (Minimum 3 credits total)

MBA 554 Project Management (3 credits) or ISE 589 Project Management for Engineers (3 credits)
BEC 577 Advanced Biomanufacturing and Biocatalysis (3 credits)
BEC 515 Biopharmaceutical Product Characterization Techniques (2 credits)
CHE 752 Separation Processes for Biological Materials (3 credits)

The certificate in Downstream Biomanufacturing requirements must be completed within four (4) calendar years, beginning with the date the student commences courses applicable to the Certificate. Students who complete the certificate in Downstream Recovery and Purification may obtain more than one certificate. However, each certificate must have at least nine (9) hours which are unique to it.

Other Relevant Information: A unique, cross-disciplinary instructional center, the Golden LEAF Biomanufacturing Training and Education Center (BTEC) provides educational and training opportunities to develop skilled professionals for the biomanufacturing industry and create the best-trained, most industry-focused workforce possible.

The Graduate Certificate in Energy and Technology in Architecture provides students the opportunity to focus their elective studies through courses and design studio(s) that concentrate on building energy systems along with other building systems.

The program's objectives are to provide educational opportunities for architecture graduate students who wish to acquire knowledge and skills in the design and operation of building system at site and building levels, with an emphasis on energy and materials; to advocate for the importance of energy efficiency over the entire life cycle of a building; and to make our students more competitive in the fields of architectural practice, building engineering, and construction.

This certificate program also provides unique interdisciplinary academic and research opportunities among the College of Design, programs within the College of Engineering, NC Solar Center, and building design industries/organizations (i.e. architecture, engineering, general contracting, real estate companies, and public policy agencies).

Admissions: Applicants must complete an application form to be considered for the certificate program. To qualify for admission to the graduate certificate in Energy and Technology in Architecture, students must be enrolled in (or have completed) a professional program in architecture. At the time of application, students must have a 3.00 grade point average (GPA) in their professional degree program.

Requirements: Students must complete 15 hours of coursework from the course menu, as specified in the certificate application, and have a minimum of 3.00 GPA on all certificate coursework. All grades on courses taken towards the certificate program in courses numbered 400 and above are included in the GPA. Courses at the 300 level and below are not eligible for certificate credit and subsequently do not affect the graduate GPA.

The minimum grade to receive certificate credit can be no lower than B-. Students who take letter-graded 400-, 500-, and 700-level courses do not have the option of taking the courses for 'credit only' if they intend for the course to be part of the graduate certificate. Transfer credit from other institutions is not allowed for the graduate certificate. All course work must be registered through NC State University.

All certificate requirements must be completed within four (4) calendar years, beginning with the date that the student commences courses applicable to the certificate, unless a more restrictive time limit has been established by the program or academic college/school.

A student may obtain more than one certificate. Each certificate must have a least nine (9) credit hours that are unique to it.

Other Information: Students in this certificate program will become part of an academic and professional community that offers a broad range of extracurricular activities, including the NC Solar Center GreenBuild Lecture Series, visiting lecturers, and colloquia.

Note that academic success might have a strong bearing on admission to a degree program, but completion of the certificate program in no way guarantees entry into a graduate degree program. For more information regarding course requirements and the application process, please contact the certificate program coordinator.

The graduate certificate program in Environmental Assessment provides students and professionals the opportunity to develop recognized academic credentials and advanced expertise in Environmental Assessment. The certificate program provides excellent opportunities for practicing environmental professionals to stay abreast of new technologies and current government regulations.

The curriculum consists of 12 credit hours selected from the required course listing for the MEA degree. Students may transfer up to 12 credit hours from the Certificate into the Masters of Environmental Assessment (MEA). Students may earn the Certificate as a stand-alone credential or as part of a graduate degree and may apply for entry into the MEA degree while in the Certificate program.

Admission Requirements: Baccalaureate degree. Application information and requirements for award of a certificate are listed on the [Environmental Assessment Certificate website](#). Students can start this certificate in Fall or Spring semesters.

Certificate Requirements: Award of a certificate requires a GPA of 3.0 or better for the certificate courses (required and elective) and a grade of B- or better in all of the certificate courses. See the [Environmental Assessment Certificate website](#) for a detailed list of courses.

Other Relevant Information: The Certificate is entirely online.

The Youth, Family, and Community Sciences (YFCS) academic program at North Carolina State University is proud to offer graduate distance education programs designed to prepare and strengthen current and future professionals. The Youth, Family, and Community Sciences online programs create and advance the careers of those who work with youth and/or families in community-based settings.

The Youth, Family, and Community Sciences Online Graduate Certificate in ***Family Life Education and Coaching*** prepares students to work with parents, professionals, and families as a both family life educator and family life coach. **Family Life Coaches** (FLC) help clients through a thought-provoking and creative process that inspires them to maximize their potential, reach goals, and achieve happiness. **Family Life Educators** (FLE) are strengths-based professionals who provide preventative education to families in organized efforts designed to provide information, skills, experiences, or resources intended to strengthen, improve, or enrich their family experience.

Admissions: Students apply online at <http://www.ncsu.edu/grad/applygrad.htm>

Requirements: A Graduate Certificate in Family Life Education and Coaching requires a total of 12 credit hours. Nine (9) credit hours are required courses, with the remaining three (3) credit hours of electives. All courses are offered online only.

Required Courses (9 credit hours)

YFCS 543 Applied Concepts in Parenting and Family Life Education

YFCS 545 Family Communication and Coaching

YFCS 547 Family Life Coaching

Electives (3 credit hours)

Approved YFCS Elective in family life education (FLE) content area

The Graduate Certificate Program in Feed Science is designed to prepare professionals or current degree program students to work in the feed industry. The program will provide an advanced foundation in feed science technology, animal nutrition and feed formulation, and feed industry leadership. All courses can be delivered by distance education methods.

The objectives of this program are for the student to acquire an understanding of the technical aspects of modern feed and pet food manufacturing, feed mill operations and leadership, feed and ingredient quality assurance, food chain safety, feed industry regulations, animal nutrition and feed formulation, feed product marketing and strategic planning, and how to apply technical and academic skills to the challenges of the global feed industry.

Admission Requirements: Applicants must have a BS/BA degree or equivalent four year degree in order to apply to the program. Individuals interested in this certificate program must complete the admissions form and send it to the Director of Graduate Programs in Poultry Science.

Program Requirements: A minimum of 12 credit hours from the prescribed list of courses and a grade of 'C-' or better in these courses is required to receive credit for the certificate. To receive a Graduate Certificate in Feed Science, a student must have a minimum 3.0 grade point average on all certificate course work. All course work must be registered through NC State University, transfer credit from other universities is not allowed. All work must be completed in four (4) calendar years, beginning from the time the application is approved by the Director of Graduate Programs.

Required Courses

PO/NTR 515 Advanced Comparative Nutrition (3 cr.)

FM/NTR 525 Advanced Feed Science and Technology (3 cr.)

FM 580 Feed and Ingredient Quality Assurance (3 cr.)

Optional Courses

FM 460 Feed Mill Operations and Leadership (2 cr.)

NTR/FM 790 Advanced Feed Formulation (3 cr.)

FM 594 Advanced Feed Mill Practicum (1 cr.)

FM 601 Feed Science Seminar (1 cr.)

The Graduate Certificate in Finance is a one to two year program designed for working professionals in the Raleigh and Research Triangle community. They will obtain advanced skills in capital budgeting, managing risk, and asset valuation.

Admissions requirements: For admission requirements, please visit the [admissions website](#).

The Master of Geospatial Information Science and Technology (MGIST) equips students with the necessary knowledge and tools to become high-end geospatial professionals using a unique curriculum that leverages NC State's strengths in computational and data sciences, information technology, and interdisciplinary training in combination with professional skills development in areas of project management, technical writing, and communications. The **MGIST can be completed entirely online**, allowing flexibility for both students just entering the work force and working professionals.

Through a combination of geospatial theory, hands-on applications, and client-based service-learning experiences, students graduate from the program with a solid foundation to provide a wide range of geospatial expertise for local, state, national, and international organizations.

Admissions Requirements: Admission to the program requires an undergraduate GPA of 3.0 or better, a professional resume, a personal statement describing the applicant's professional ambitions and experience, and 3 letters of reference. Students with less than a 3.0 undergraduate GPA may be considered for provisional admission into the MGIST or referred to the [GIS Certificate](#) program to enhance skills and prepare for reapplication to the MGIST.

Master's Degree Requirements: The MGIST degree requires 33 course credit hours including a 3-credit-hour Capstone course and development of a professional portfolio highlighting geospatial analytic skills and competencies. A cumulative GPA of 3.0 or better is required in order to graduate. Specific course requirements are listed on the MGIST web site.

Student Financial Support: Students in this program are eligible for financial aid and may compete for program assistantships and internships.

Other Relevant Information: The GIS program also offers a [Graduate Certificate in GIS](#) (12 credit hours). Certificate students may transfer up to 12 credits into the MGIST degree. Students enrolled in other NC State graduate programs may enroll in the Certificate program or in either of the two related minors ([GIS or Environmental Remote Sensing](#)).

The [Certificate in Horticultural Science](#) is a non-degree program offered through the Department of Horticultural Science at North Carolina State University. The Certificate program is designed to increase personal knowledge and skills for current or future employment in the Horticultural Industry. Students may concentrate in one of three areas: General Horticulture, Food Horticulture and Ornamental Horticulture.

Requirements: The Certificate program requires a minimum of five courses resulting in at least 15 credits to be completed within 4 years. The courses will constitute a cohesive continuing education in Horticultural Science and will be selected by the candidate and the advisor.

Applicant must have a B.S. or higher degree from an accredited four-year college or university and have a GPA of at least 3.0 on a 4.0-point scale.

It is highly recommended that candidates have a major in horticulture, crop science, plant science, plant biology or agricultural education with a plant science emphasis. Applicants who do not meet the GPA requirement may be admitted provisionally based on past work experience as a professional in horticulture or a related field. Supporting documentation of professional experience in horticulture or a related field must be submitted for provisional admission. Students who are admitted provisionally must earn at least a 3.0 GPA average in the first two courses of the certificate program in order to obtain full admission into the program. Certificate students must maintain an average GPA of 3.0 and a minimum grade of C (2.00) in any of the Horticulture Graduate Certificate courses.

Curriculum: The following courses can be used for credit in the Horticultural Science Certificate Program. Please note: Not all courses are offered each semester. Students should consult their advisor and the course catalog for the most up-to-date course listings.

Horticultural Science (DE and on-campus sections)

HS 523 General Viticulture
HS 532 Permaculture
HS 541 Plant Breeding Methods
HS 562 Post Harvest Physiology
HS 550 Special Problems in Horticultural Science (Environmental Nursery Production)
HS 590 Plant Breeding Overview
HS 707 Environmental Stress Physiology
HS 717 Weed Management Systems
HS 790 Diagnostic Criteria for Plant Nutrition

Horticultural Science (On-campus sections only)

HS 502 Plant Disease: Methods and Diagnosis
HS 701 Carbohydrate Metabolism and Transport
HS 704 Plant Nomenclature
HS 705 Physiology of Flowering
HS 706 Fruit Development and Postharvest Physiology
HS 715 Weed Science Research Techniques
HS 716 Weed Biology
HS 718 Biological Control of Weeds
HS 720 Molecular Biology in Plant Breeding
HS 725 Pesticide Chemistry
HS 727 Pesticide Behavior and Fate in the Environment
HS 745 Quantitative Genetics in Plant Breeding
HS 746 Breeding Methods
HS 748 Breeding for Pest Resistance

Any other graduate-level Horticultural Science courses.

Plant Pathology

PP 502 Plant Disease: Methods and Diagnosis

Entomology

ENT 591 Insect Pest Management

Soil Science

SSC 440 Geographic Information

SSC 470/570 Wetland Soils

SSC 532 Soil Microbiology

SSC 551 Soil Morphology, Genesis and Classification

SSC 562 Environmental Applications of Soil Science

Food Science

FS 495 Special Topics in Food Science (Good Manufacturing Practices)

FS 495 Special Topics in Food Science (Sanitation Standard Opt. Proc.)

FS 495 Special Topics in Food Science (Sanitation)

FS 495 Special Topics in Food Science (Hazard Analysis/ Risk Assess.)

FS 495 Special Topics in Food Science (Microbiology / Microbial Hazards)

Agriculture & Extension Education

AEE 501 Foundations of Agriculture & Extension Education

AEE 521 Program Planning in Agriculture & Extension Education

AEE 523 Adult Education in Agriculture

For more information about the Certificate Program and applications materials, please see the [Department of Horticultural Science](#) website.

The Youth, Family, and Community Sciences (YFCS) academic program at North Carolina State University offers three graduate distance education programs designed to prepare and strengthen the careers of those who work with youth and/or families in community-based settings.

The Youth, Family, and Community Sciences online Graduate Certificate in ***Leadership and Volunteer Management*** specifically prepares students to work as leaders in community-based organizations. Students gain a more comprehensive understanding of organizational leadership, as well as an applied understanding of effective management skills. The certificate is intended to enhance a student's work in organizational administration and/or volunteer management including volunteer recruitment, retention, risk management, and recognition.

Admissions: Students apply online at <http://www.ncsu.edu/grad/applygrad.htm>

Requirements: A Graduate Certificate in Leadership and Volunteer Management requires a total of 12 credit hours. Six (6) credit hours are required courses, with the remaining six (6) credit hours of electives. All courses are offered online only.

Required Courses (6 credit hours)

YFCS 550 Youth and Family Professionals as Leaders
YFCS 557 Volunteerism in Youth and Family Settings

Electives (6 credit hours)

Approved YFCS course related to organizational administration
Approved YFCS course related to student's career interests

The Graduate Certificate in Marketing is a one to two year program designed for working professionals in the Raleigh and Research Triangle community. They will obtain advanced skills in consumer behavior, marketing research, product management, innovation, and relationship management.

Admission requirements: For admission requirements, please visit the [admissions website](#).

The Graduate Certificate Program (GCP) in Materials Science and Engineering (MSE) is designed for working professionals who do not have formal training in MSE, but wish to acquire a basic understanding of materials science to improve their on-the-job experience and knowledge. Most people will enroll in this program as distance education students through the Engineering Online (EOL) office at NC State University. Students can customize their particular certificate programs to focus on specific areas of materials science that interest them.

Program of Study: The MSE GCP requires a total of 12 credit hours, including MSE 500 (3 credit hours) and three MSE elective courses (9 credit hours) selected by the student. MSE 500 is a fast-paced overview of the field of materials science and engineering and is designed for students who do not have a formal background in MSE, such as those with BS degrees in chemistry, physics and other fields of engineering. MSE 500 also provides the foundation for more specialized MSE graduate courses.

The courses available to students in the MSE GCP are shown here (<https://www.mse.ncsu.edu/grads/mmse/course-schedule>). Each course is 3 credit hours and most courses are offered at least once per year through the EOL office. By judicious selection of elective courses, students can customize their GCP to focus on areas of interest to them.

Requirements for admission: To be admitted to the MSE Graduate Certificate Program, a student must have a BS degree in the sciences or engineering from a regionally accredited four-year college or university, and have an overall (or major) GPA of at least 3.0 on a 4-point scale.

All new students must complete the NCSU Graduate School [application](#) for admission to the MSE GCP. The GRE exam is NOT required for admission to the GCP. Application deadlines are March 1 for summer and fall admission, and October 1 for spring admission. Students can begin study in the fall, spring or summer semester immediately following their acceptance into the program. Registration procedures, registration dates and course availability for each semester can be found on the NCSU Registration and Records webpage (<http://www.ncsu.edu/registrar/>). Information regarding Engineering Online can be found on the EOL webpage (engineeringonline.ncsu.edu).

Academic success in the MSE GCP might have a strong bearing on admission to a graduate degree program. However, completion of a graduate certificate program IN NO WAY guarantees entry into a graduate degree program, which must be done through a separate application process.

Academic Performance Requirements

- To receive a MSE Graduate Certificate, a student must maintain a minimum 3.00 grade point average (GPA) on all coursework taken at NCSU. All grades on courses taken towards the GCP in courses at the 500-level and above are included in the GPA. Any courses taken at the 400 level and below are not eligible for certificate credit and subsequently do not affect the graduate GPA.
- All courses taken for certificate credit must be completed with a grade of “B” or better.
- All courses taken for certificate credit must be letter-graded. Credit-only courses cannot be used for certificate credit.
- Transfer credit from other institutions is not allowed for the GCP. All coursework must be registered through NC State University.
- Up to six (6) hours of post-baccalaureate, graduate-level coursework taken at NC State, if not already used in another graduate program, may be transferred into the GCP. All transfer credit must carry a grade of B or better.
- All GCP requirements must be completed within four (4) calendar years, beginning with the date the student commences courses applicable to the GCP.

Program Administration: The MSE GCP is administered by the Distance Education Coordinator in the Department of Materials Science and Engineering, in cooperation with the NCSU Engineering Online program for distance-education students. Questions regarding the MSE GCP should be directed to:

Dr. C. Maurice Balik
Professor and Distance Education Coordinator
Department of Materials Science and Engineering
Campus Box 7907
North Carolina State University

Raleigh, NC 27695
Phone: 919-515-2126
Email: balik@ncsu.edu

The Graduate Certificate in Mathematics is a one-year program that focuses on two groups of students. It is designed for students who have some mathematical training but do not have a full bachelor's degree in mathematics. It also targets students who have a bachelor's degree in mathematics but do not feel they are ready for graduate school.

The goal of the certificate is to prepare and motivate students through courses and careful mentoring. The program will deepen and broaden students' understanding of mathematics, the mathematics profession, and the mathematical community. Students will learn how the mathematics discipline can solve significant problems for government, industry, other scientists, and ultimately, society at large.

Admissions: Application to the program requires an online application form, three (3) letters of recommendation (two need to be academic), transcripts of all academic work after high school, and a written statement. GREs are highly desirable but not required for admission. Admission will be on a competitive basis.

Requirements: Students take a combination of graduate and undergraduate mathematics courses that are tailored to the individual student. The certificate requires 12 hours of mathematics courses, taken for a grade, and to be taken at NC State. There is no specific list of courses for the certificate.

Of the 12 hours, three (3) hours may be at the 400 level with prior approval of the Director of Graduate Programs. The other nine (9) hours will be at the 500 level or above. Students must take at least two (2) courses per semester to remain in good standing. A grade of C- is required for a course to count toward the certificate. A 3.00 GPA is required to earn the certificate.

The Graduate Certificate in Mathematics Teaching and Learning is an online program that focuses on developing knowledge and instructional approaches in teaching mathematics. The program will primarily serve practicing teachers in middle school through college settings, or those preparing for careers in such settings, who want to expand their expertise related to teaching and learning mathematics. Students will learn how to apply research-based understandings of students' thinking, pedagogical approaches, and broader educational issues (e.g., discourse and equity) to inform practices of teaching content such as geometry, algebra, and statistics.

The Graduate Certificate in Medical Devices is a joint program that links NC State's College of Engineering with the University of North Carolina School of Medicine. The program prepares graduates to conceive and design prototypes for new medical devices as well as training in market assessment, financing options, etc.

Admissions: Enrolled NCSU and UNC graduate students, doctoral candidates and post-docs, as well as part-time and full-time faculty and staff, may apply online at the Certificate's website. Professionals from the local MedTech sector may also apply online through the NCSU Graduate School. A bachelor's degree is required. Preference is given to applicants with scientific and/or engineering backgrounds.

Requirements: The program requires a total of 12 credit hours from an approved course list, including two BME advanced medical devices courses, two related business courses, and participation in ten clinical seminars.

For more information, see the [Certificate's website](#) or contact the Director.

Training in molecular biotechnology is essential for a wide range of disciplines from microbiology, plant and animal sciences to chemical engineering. The Graduate Certificate Program in Molecular Biotechnology offers an opportunity for individuals educated in the life sciences and related disciplines to gain laboratory-based, hands-on molecular biology training. NC State graduate students with career interests that involve molecular biotechnology, but are not eligible for the minor, are eligible to apply for the certificate.

The Graduate Certificate Program in Molecular Biotechnology will require a minimum of 12 hours of required and elective courses as listed below:

REQUIRED (5 credits)

BIT 510 and BIT 510L Core Technologies in Molecular and Cellular Biotechnology (4 credits)
BIT 501 Ethical Issues in Biotechnology (1 credit) or an approved research ethics or bioethics course
BIT Capstone Cloning Project (due two weeks after completing BIT510)

BIOTECHNOLOGY LABORATORY ELECTIVES (4 credits)

For the most up to date list of courses please visit the BIT website: <http://biotech.ncsu.edu/courses>

Two of the following courses and their laboratories (2 credits each):

Any BIT 595 laboratory course (2 credits)

BIT 562 Microarrays
BIT 564 Protein Purification
BIT 565 Real-time PCR Techniques
BIT 566 Animal Cell Culture
BIT 567 PCR and DNA Fingerprinting
BIT 568 Genome Mapping
BIT 571 RNA Interference and Model Organisms
BIT 572 Proteomics
BIT 573 Protein-Protein Interactions
BIT 574 Plant Genetic Engineering
BIT 576 Computation Analysis of Biomolecular Sequences
BIT 577 Metagenomics
BIT 578 Mapping the Brain

OTHER ELECTIVES -- CHOOSE ONE (3 credits)

GN 513 Advanced Genetics
MB 714 Microbial Metabolic Regulation
MB(GN) 758 Prokaryotic Molecular Genetics
BO 780 Plant Molecular Biology
BCH 553 Biochemistry of Gene Expression
FS(MB) 725 Fermentation Microbiology
ST(GN) 721 Genetic Data Analysis
GN 701 Molecular Genetics
GN 735 Functional Genomics
CHE 551 Biochemical Engineering
Other courses (400-level or higher) may be considered by special request.

A Graduate Certificate in Nonprofit Management is available to students, including NC State degree students, who have a Bachelor's degree from an accredited university. The Certificate requires 15 credit hours of course work and substantive nonprofit experience. The courses are designed to provide the basic management knowledge and skills needed in nonprofit organizations. For applications and a description of program requirements go to https://spia.ncsu.edu/graduate/nonprofit_cert.php.

The certificate program in Nonwovens Science and Technology provides NC State graduate students the opportunity to develop recognized academic credentials in Nonwovens Science and Technology in addition to their major area of graduate study. Provide non-degree graduate level students the opportunity to develop recognized advanced expertise in Nonwovens Science and Technology.

Required Coursework: The Graduate Certificate Program in Nonwovens Science and Technology requires a minimum of 15 hours and includes the following courses:

Core Courses (6 hours):

TT(NW) 503 Materials, Polymers and Fibers Used in Nonwovens (3 hours) **OR**
TMS 762 Physical Properties of Fiber Forming Polymers, Fibers and Fibrous Structures (3 hours)
TT(NW) 504 Introduction to Nonwovens Products and Processes (3 hours)

Advanced Courses (minimum 9 hours)*:

TT(NW) 505 Advanced Nonwovens Processing (3 hours)
TT(NW) 506 Bonding Principles in Nonwovens (3 hours)
TT(NW) 507 Nonwoven Characterization Methods (3 hours)
TT(NW) 508 Nonwoven Product Development (3 hours)

*One NC State course (400-level or higher) may be substituted for one of the advanced courses into the program upon agreement between the Certificate Coordinator and the student. The Certificate Coordinator will maintain a list of graduate-level courses appropriate to use as substitutions.

The objective of the program is to educate students about nuclear nonproliferation, safeguards, and security from both the global and the technical perspectives. Students will be exposed to state-of-the-art techniques and will develop an understanding of the technical and policy challenges to maintain and support a robust nuclear nonproliferation regime. This process will be supported by assignments designed to reinforce understanding of the individual subject areas covered, class projects which cover key areas such as proliferation case studies and physical security simulations, as well as interactions with subject matter experts in nuclear nonproliferation technology and policy.

The Graduate Certificate in Supply Chain Management is a one to two year program working professionals in the Raleigh and Research Triangle community. They will obtain advanced skills in strategies, processes, planning and control, quality, scheduling, work design, and advanced operations techniques using a variety of managerial and quantitative models.

Admission requirements: For admission requirements, please visit the [admissions website](#).

This online certificate program is designed to provide graduate students and professionals with a common platform of courses that will enhance their communication skills and professional development. In particular, professional science master's program students in the program will gain the management and communication training that will allow them to transfer success in the laboratory to success in the marketplace.

Admission Requirements: Students not attending NC State must apply through the regular application process (see <http://www.ncsu.edu/grad/applygrad.htm>). Proof of completion of a bachelor's degree is necessary. A minimum undergraduate GPA of 3.0 is required for admission to the certificate program. However, GRE scores are not required.

Students currently in a degree program at NC State may add the certificate program to their degree program by completing the application for currently enrolled graduate students. For applications and description of program requirements, see the program web site at <https://communication.chass.ncsu.edu/academics/pcms/>.

Student Financial Support: See NC State's Office of Scholarships and Financial Aid at <https://studentservices.ncsu.edu/your-money/financial-aid/>

Other Relevant Information: The interdisciplinary certificate requires a total of 12 credit hours, with 6 hours taken in the Poole College of Management and 6 hours taken in the College of Humanities and Social Sciences. Two required classes are BUS 590 (Management Foundations) and BUS 554 (Strategic Project Management). Two of the three following classes should also be taken: COM 521 (Communication and Globalization), COM 527 (Seminar in Organizational Conflict Management), or COM 530 (Interpersonal Communication in Science/Technology Organizations). To earn the certificate students must achieve a minimum 3.0 GPA in the program.

The Program Development in Family Life Education certificate is closed to new student enrollment. Please visit the Department of Youth, Family, and Community Sciences website for information on our current certificate offerings.

The Department of Youth, Family, and Community Sciences (YFCS) at North Carolina State University is proud to offer graduate distance education programs designed to prepare and strengthen current and future professionals. The Youth, Family, and Community Sciences online programs create and advance the careers of those who work with youth and/or families in community-based settings.

Admissions: Students apply online at <http://www.ncsu.edu/grad/applygrad.htm>

Requirements: A Graduate Certificate in Program Development in Family Life Education requires a total of 12 credit hours. Nine (9) credit hours are required courses, with the remaining 3 credit hours of electives. All courses are offered online only.

Required Courses (9 credit hours)

FYD 543 Applied Concepts in Parenting and Family Life Education

FYD 552 Program Development and Evaluation in Family and Youth Settings

FYD 556 Organizational Systems in Youth and Family Settings

Electives (3 credit hours)

Approved course in Family Life and Youth Development (FYD)

The Graduate Certificate in Renewable Electric Energy Systems provides graduate students with the opportunity to develop expertise in renewable electric energy systems and advanced electric power grid technology in addition to their major area of graduate study.

Admissions: Applicants with appropriate background must meet one of the three following requirements:

- be a graduate of an accredited four-year college or university, and have a GPA of at least 3.0 on a 4-point scale in their last 60 credit hours of undergraduate study;
- be a degree student in good standing in an NC State University graduate program; or
- have a Master's degree in a related field of study.

A student may obtain more than one graduate certificate in a different field. Each certificate must have at least nine (9) credit hours that are unique to it.

Requirements: The Graduate Certificate in Renewable Electric Energy Systems requires a minimum of 12 hours, including one 3-hour core course and 9 credit hours of electives to be selected from a list that contains relevant courses for the certificate. Students must maintain a minimum overall GPA of B (3.0).

For course and enrollment information please visit the [Department of Electrical and Computer Engineering website](#).

The intent of the Special Education: Multi-Tiered Systems of Support (MTSS) program is to provide post-baccalaureate students with knowledge related to 21st century special education service delivery in the schools. The certificate program courses include foci on the contemporary, evidenced based intervention concepts of Multi-Tiered Systems of Support (MTSS), as well as Positive Behavior Intervention and Support (PBIS) and, to a lesser degree, Response to Intervention (RTI).

The GCSE:MTSS program is a portal through which participants may ultimately pursue a Master of Education (M.Ed.) or Master of Arts in Teaching (MAT), and/or licensure in special education.

The four online courses in the GCSE:MTSS represent 12 credit hours of graduate-level coursework. No transfer credits from other institutions are allowed to substitute for any of the four courses in this program. All courses must be completed at NC State.

For more please see <https://ced.ncsu.edu/programs/special-education-mtss/>

Admission Requirements: GCSE:MTSS program application requires:

- a resume that identifies educational preparation and professional employment and experiences
- a statement of professional goals indicating how the GCSE:MTSS will enhance job performance or career development
- a projected semester timeline for completing Certificate requirements
- an official academic transcript from each undergraduate institution that is listed on the application. The official transcript from an institution where an undergraduate degree was earned must include the name of the degree, the area of study, and the year of award. International transcripts must meet the requirements of the Graduate School for translation equivalency.

Faculty have the option to request interviews with applicants (conducted in person, via telephone conferencing, online via teleconferencing, etc.) prior to making an admission decision.

Whether you are interested in managing stadiums, amphitheaters, performing arts centers or sport arenas, this immersive facilities management program is right for you.

This one-year online graduate certificate program was designed in collaboration with industry experts to either advance your career or facilitate entry into this exciting field.

The 12-credit-hour graduate certificate program can be completed entirely online. Students are admitted as a cohort and complete all required courses as a group. Using an 8-week accelerated course format, students take one course at a time and finish the program in two semesters.

In the Graduate Certificate in Statistics Education, students will learn statistical concepts, methods, and pedagogical techniques for teaching these statistical topics at the college (or high school) level. The emphasis of the program is on the effective use of modern technology for teaching statistics. The courses required for this graduate certificate are listed below.

- Statistical Methods I: ST511 (or ST513)
- Statistical Methods II: ST512 (or ST514)
- Teaching and Learning of Statistical Thinking: ST519
- Teaching Statistics with Technology: ST557

Admissions: The application process is very simple, there are no official prerequisites except for an undergraduate degree. Applicants should demonstrate an appropriate level of mathematical maturity to allow them to succeed in the certificate program. Examples of this would include successful completion of undergraduate coursework or professional work in a quantitative field. Note that the GRE is not required to apply and we only accept students living in North America.

Requirements: The certificate will be earned by successful completion of four courses listed above with an average GPA of at least 3.0.

The Graduate Certificate in Tax Analytics and Technology is currently a two to three year online program that targets for enrollment MAC and MBA graduate students at NC State, graduate students at other universities and working professionals in the Research Triangle, national and global community. They will learn knowledge and skills to extract, manipulate, analyze, and summarize tax data to solve tax problems, identify opportunities for tax savings, and to effectively communicate actionable tax and business strategies to organizations.

Admissions Requirements: Graduate students at NC State must be in good standing. Students not enrolled at NC State must have completed a baccalaureate degree and have either taken some introductory/intermediate accounting and tax courses or have work experience in these areas. All students must submit an application to the certificate program which will be reviewed and evaluated by the coordinator. A minimum GPA of 3.0 (in undergraduate and/or prior graduate work) is required for admission to the program.

Program Requirements: The certificate program requires students to complete twelve (12) one-credit hour online courses with an overall 3.0 GPA in all courses. No transfer credits will be accepted in the program and it must be completed within four years.

Delivered 100% online, the Certificate consists of five 3-credit courses focused on teaching, training, and the use of technology in a variety of educational environments. Students can tailor the program to meet their needs and gain the knowledge and skills necessary to design and deliver course-related content through face-to-face, technology-enhanced, and e-learning environments. The program is designed for mid-career individuals who may be without academic preparation for their current positions, or for those choosing to increase their knowledge and skills in the field for future job opportunities.

Students may choose one of the following specialty areas: Training and Development, Instructional Design, E-Learning, Community College Teaching, and Community College Leadership.

In order to be awarded the Certificate, all required courses must be taken and one elective is allowed. Transfer credit from other institutions is not allowed.

Please see the department website for the specific required and elective courses for each specialization. For course descriptions, please refer to the NC State [listing of courses](#). For further information, see the Certificate in Teaching, Training and Educational Technology (<https://ced.ncsu.edu/programs/teaching-training-educational-technology-certificate/>) website.

The Graduate Certificate in Technology Entrepreneurship and Commercialization (TEC) is a one to two year program designed for working professionals in the Raleigh and Research Triangle community. The TEC certificate is a hands-on, project-based practicum in creating and growing technology-intensive businesses. Students develop knowledge, skills and tools useful for engaging in technology entrepreneurship. We focus on capabilities that are equally relevant to the creation and growth of new ventures or to the creation of innovation within established firms. Students learn and apply a proven structured process (developed at NC State but adopted by many universities and taught on four continents) to evaluate technologies, create and develop product ideas, and construct business proposals to bring technology-based products to market. Students with primarily technical backgrounds and those with primarily business backgrounds gain essential skills in working together productively.

Admissions Requirements: For admission requirements, please visit the [admissions website](#).

Program Requirements: The certificate program requires students to complete twelve (12) credit hours with an overall 3.0 GPA in all certificate courses. Credit toward the certificate in a particular course will be given only if a grade of B- or better is earned in that course. All courses in the program must be taken for a letter grade. No transfer credits will be accepted in the program and it must be completed within three years.

The Graduate Certificate Program in Textile Brand Management and Marketing provides graduate students with the opportunity to develop academic credentials in branding fundamentals and theories for a globalized industry and market research while complementing this knowledge with topics of strategic management, product development, supply chain management and technology management. The program also provides non-degree graduate-level students with the opportunity to develop recognized advanced expertise in Textile Brand Management and Marketing.

Admission: Applications must meet one of the following three requirements:

- Be a graduate of an accredited four-year college or university and have a grade point average of at least 3.0 on a 4-point scale in their last 60 credit hours of undergraduate study;
- Be a degree student in good standing in an NC State University graduate program; or
- Have a Master's degree.

Applicants who do not meet the GPA requirements may be admitted professionally based on past work experience as a professional in textiles or a textile related field. Supporting documentation of professional experience in textile should be submitted for provisional admission. Students who are admitted provisionally must earn at least a "B" average in the first three courses of the certificate program in order to obtain full admission into the certificate program.

Requirements: A minimum of 15 credit hours is required to complete the certificate program and student must have a minimum 3.0 grade point average on all certificate course work. Transfer credit from other universities is not allowed. All work must be completed in four (4) calendar years, beginning from the time the student begins course work for the Certificate .

For more information, please visit the [Textile Technology and Management](#) website.

The Graduate Certificate Program in Textile Supply Chain Management provides NC State graduate students the opportunity to develop recognized academic credentials in this concentration in addition to their major area of graduate study. The Certificate also provides non-degree graduate-level students the opportunity to develop recognized advanced expertise in Textile Supply Chain Management.

Admission: Applicants must meet one of the 3 following requirements:

- Be a graduate of an accredited four-year college or university, and have a GPA of at least 3.0 on a 4-point scale in their last 60 credit hours of undergraduate study;
- Be a degree student in good standing in a NC State University graduate program; and
- Have a Master's degree.

Provisional Admission: Applicants who do not meet the GPA requirements may be admitted provisionally based on past work experiences as a professional in textiles or a textile related field. Supporting documentation of professional experience in textiles should be submitted for provisional admission. Students who are admitted provisionally must earn at least a "B" average in the first three courses of the certificate program in order obtain full admission into the certificate program.

Program Requirements: The Graduate Certificate in Textile Supply Chain Management requires a minimum of 15 hours, and includes the following courses:

Core Courses (9 credit hours)

TTM 501 Textile Enterprise Integration (3)
TTM 761 Supply Chain Management and Information Technology (3)
TE 533 Lean Six Sigma (3) OR
TE 540 Computer Information Systems

Advanced Courses (6 credit hours)

TTM 530 Textile Quality and Process Control (3)
TTM 531 Total Quality Management (3)
TTM 583 Strategic Planning for Textile Firms (3)
TTM 588A Global Perspectives in Textile Supply Chain Management: USA (3)
TE 533 Lean Six Sigma (3) OR
TE 540 Computer Information Systems

One NC State course (400 level or higher) may be substituted for one of the advanced courses into the program upon agreement between the Certificate Coordinator and the student. The Certificate Coordinator maintains a list of appropriate graduate level courses.

Academic Performance:

- Award of a Graduate Certificate in Textile Supply Chain Management (GCTSCM) requires a minimum overall GPA of 3.0.
- None of the required 15 hours may be taken for S/U or "credit only".
- No transfer credits from other institutions are allowed for the certificate.
- All students must be registered through NC State University.
- All GCTSCM requirements must be completed within the first four (4) calendar years beginning with the date the students begins the course work for the certificate.
- All Certificate students are expected to maintain continuous enrollment every semester (excluding summer sessions) until all course work is completed. Under unusual circumstances, a one-semester leave of absence will be granted if the student is unable to enroll in a course. Written approval from the certificate coordinator must be obtained before the beginning of the semester.

Graduate students and working professionals can now earn a new credential to kick-start or advance their career in the biopharmaceutical industry. Applications are currently being accepted for two new BTEC graduate certificate programs. The Upstream Biomanufacturing graduate certificate offers NC State graduate students and working professionals the opportunity for hands-on learning in BTEC's industry-scale simulated cGMP facilities.

Each certificate requires 12 hours of graduate coursework, which can be transferred to the Master of Biomanufacturing program. The majority of BTEC's graduate courses are offered in the evening or online to better accommodate working professionals.

Admission Requirements: Applicants must apply to the Graduate School <http://www.ncsu.edu/grad/applygrad.htm>. Those applicants who are currently enrolled in an NC State graduate program need only provide the Graduate Student Certificate Plan Data Entry forms, <http://ncsu.edu/grad/faculty-and-staff/docs/grad-cert-plan-data-entry.pdf>. An application for acceptance into a certificate programs is required for all new applicants once the student has:

1. either have graduated with a baccalaureate degree in a science or engineering discipline with a minimum GPA of 3.0 or
2. have complete one or more 500+ level BEC courses which satisfy the certificate requirement with a grade of B- or better on the first enrollment in every course completed.

Certificate Degree Requirements: To earn the Graduate Certificate in Upstream Biomanufacturing, students must complete the following list of unique core courses and complete one or more elective course for a minimum total of 12 credit hours. The grade in each course for the Certificate must either be B- or higher and the over-all GPA for the Certificate courses must be 3.00 minimum. Graduate certificates are limited to 1 400 level course.

Transfer credit from other institutions will not be allowed for the Certificate. All course work must be registered through NC State University.

Required Unique Courses (9 credits total)

CHE 563 Fermentation of recombinant microorganisms (2 credits)
BBS 526 Upstream biomanufacturing laboratory (2 credits)
BEC 580 cGMP Fermentation operations (2 credits)
BEC 577 Advanced Biomanufacturing and Biocatalysis (3 credits)

Additional Courses (Minimum of 3 credits total)

BEC 575 Global regulatory affairs (3 credits)
MBA 554 Project Management (3 credits) or ISE 589 Project Management for Engineers (3 credits)
BIT 566 Animal Cell Culture Techniques (2 credits)
BEC 488 Cell Culture Engineering (2 credits)
BEC 440 Expression Systems in Biomanufacturing (3 credits) or BIT 510 Core Technologies in Molecular and Cellular Biology (4 credits)

The certificate in Upstream Biomanufacturing requirements must be completed within four (4) calendar years, beginning with the date the student commences courses applicable to the Certificate. Students who complete the certificate in Upstream Biomanufacturing may obtain more than one certificate. However, each certificate must have at least nine (9) hours of BEC course work which are unique to it.

Other Relevant Information: A unique, cross-disciplinary instructional center, the Golden LEAF Biomanufacturing Training and Education Center (BTEC) provides educational and training opportunities to develop skilled professionals for the biomanufacturing industry and create the best-trained, most industry-focused workforce possible.

The Youth, Family, and Community Sciences (YFCS) academic program at North Carolina State University offers three graduate distance education programs designed to prepare and strengthen the careers of those who work with youth and/or families in community-based settings.

The Youth, Family, and Community Sciences Online Graduate Certificate in ***Youth Development and Leadership*** specifically prepares students to work as leaders in youth-serving organizations. Students will gain a more comprehensive understanding of youth development, as well as an applied understanding of strengths-based leadership skills, designed to provide oversight, preventative education, enrichment opportunities, and/or resources intended to strengthen, improve, or enhance youth development and organizational administration.

Admissions: Students apply online at <https://grad.ncsu.edu/apply/>

Requirements: A Graduate Certificate in Youth Development Leadership requires a total of 12 credit hours. Six (6) credit hours are required courses, with the remaining six (6) credit hours of electives. All courses are offered online only.

Required Courses (6 credit hours)

YFCS 550 Youth and Family Professionals as Leaders

YFCS 553 Applied Concepts in Child and Youth Development

Electives (6 credit hours)

Approved YFCS course related to organizational administration

Approved YFCS course related to youth or family development

Biological Sciences

There is no separate graduate major in the biological sciences, but both M.S. and Ph.D. degrees are offered in several life science departments and programs of the College of Agriculture and Life Sciences. Interdisciplinary courses applicable to several graduate programs are offered by the [Department of Biology](#).

Education [General Courses]

GRADUATE COURSES

- ED(AEE) 501 Foundations of Agricultural and Extension Education
- ED(AEE) 530 Priority Management in Agricultural and Extension Education
- ED(AEE) 641 Practicum in Agricultural and Extension Education
- ED(AEE) 735 Effective Teaching in Agriculture and Life Sciences
- ED(AEE) 841 Practicum in Agricultural and Extension Education

Multidisciplinary Studies

GRADUATE COURSES

- MDS 515 Peruvian Amazon Ecology and Ethnology
- MDS 595 Special Topics in Multidisciplinary Studies
- MDS 610 Special Topics
- MDS 685 Master's Supervised Teaching

Philosophy and Religious Studies

Dr. Michael Pendlebury
Professor and Department Head
NC State Box 8103
Phone: 919.515.6103
Fax: 919.513.4351
Email: mjpendle@ncsu.edu
Website: <http://www.ncsu.edu/chass/philo/>

There are no graduate degrees in Philosophy or Religious Studies, but the Department offers a variety of graduate courses in Logic, Philosophy, and Religious Studies. One or more of these courses can be used to enhance many graduate degree programs.

The Department also administers the [Graduate Minor in Cognitive Science](#).

GRADUATE COURSES

LOGIC

LOG 535 Advanced Logic and Metamathematics
LOG 537 Model Theoretic Semantics

PHILOSOPHY

PHI 501 Kant's Critique of Pure Reason
PHI 520 Global Justice
PHI(PSY) 525 Introduction to Cognitive Science
PHI 540 The Scientific Method
PHI 547 Philosophy, Evolution and Human Nature
PHI 575 Ethical Theory
PHI 598 Special Topics in Philosophy
PHI 798 Advanced Topics in Philosophy
PHI 816 Introduction to Research Ethics

RELIGIOUS STUDIES

REL 571 Darwinism and Christianity
REL 573 Religion, Gender, and Reproductive Technologies
REL 582 Religion and Conflict

Name	Academic Rank Descr	Work Location	GFAC Status	Tenure Home
Abolhasani,Milad	Asst Professor	Chemical & Biomolecular Engr	Grad Faculty	Chemical & Biomolecular Engr.
Abrams Jr,Charlie F.	Emeritus Professor	Biological And Agricultural En	Grad Faculty	Biomedical Program-Engineering
Abrams,Robin Fran	Professor	Architecture	Grad Faculty	Architecture
Abt,Karen L	Adjunct Professor	For & Envir Res Acad Research	Affiliate Grad Faculty	For & Envir Res Acad Research
Abt,Robert Carroll	Named Professor	For & Envir Res Acad Research	Grad Faculty	For & Envir Res Acad Research
Acosta,Juan Jose	Research Asst Professor	CAMCORE-Cooperative	Grad Faculty	For & Envir Res Acad Research
Adams Warren,Carrol Lynn	Teaching Asst Professor	ELPHD	Grad Faculty	ELPHD
Adams,Jacob James	Asst Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Aday,David Derek	Professor	Applied Ecology	Grad Faculty	Applied Ecology
Addor,Mary Lou	Adjunct Asst Professor	Forestry Extension	Affiliate Grad Faculty	ELPHD
Ade,Harald	Professor	Physics	Grad Faculty	Physics
Adin,Christopher Andrew	Adjunct Assoc Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Adin,Darcy Brittain	Clinical Asst Professor	Dept of Clinical Sciences	Affiliate Grad Faculty	Dept of Clinical Sciences
Adler,Kenneth B.	Professor	Dept Molecular Biomedical Scie	Grad Faculty	Dept Molecular Biomedical Sci
Adler,William	Distinguished University Prof	Philosophy & Religious Studies	Grad Faculty	Philosophy & Religious Studies
Ahiska King,Semra Sebnem	Adjunct Asst Professor	Fitts Dept Indust & Syst Engr	Affiliate Grad Faculty	Fitts Dept Indust & Syst Engr
Aiyyer,Anantha	Assoc Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Akpa PhD,Belinda Sena	Asst Professor	Dept Molecular Biomedical Scie	Grad Faculty	Dept Molecular Biomedical Sci
Akroyd,Duane	Professor	ELPHD	Grad Faculty	ELPHD
Alapaty,Kirankumar V		Marine, Earth And Atmospheric	Affiliate Grad Faculty	
Albert,Alex	Asst Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Alder,Ruth A.	Emeritus Associate Professor	Foreign Languages And Literatu	Grad Faculty	Foreign Languages and Lit
Aldige,Virginia M	Emeritus Named Professor	Sociology & Anthropology	Grad Faculty	Sociology & Anthropology
Alexander PhD,Winsler E.	Emeritus Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Alexander,Samuel T.	Assoc Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Alexanderian,Alen	Asst Professor	Mathematics	Grad Faculty	Mathematics
Allaire,Jason Christopher	Assoc Professor	Psychology	Grad Faculty	Psychology
Allbritton,Nancy Lynn	Professor	Biomedical Program - ENG	Grad Faculty	Biomedical Program-Engineering
Allen Jr,Howard Lee	Emeritus Professor	The Forest Nutrition Cooperati	Grad Faculty	For & Envir Res Acad Research
Allen,George C	Emeritus Research Assoc Prof	Horticultural Science	Grad Faculty	Horticultural Science
Allen,Jonathan C.	Professor	Food,Bioprocess & Nutrition Sc	Grad Faculty	Food,Bioprocess & Nutrition Sc
Allen,Kimberly I.	Assoc Professor	Agricultural & Human Sciences	Grad Faculty	4-H Youth Dev & Fam & Cons Sci
Allen,Nina S	Emeritus Professor	Plant and Microbial Biology	Grad Faculty	Plant and Microbial Biology
Allen,Steven G.	Professor	MBA Program-Poole COM	Grad Faculty	Business Management-Poole COM
Allen,Tania Leigh	Assoc Professor	Art and Design	Grad Faculty	Art and Design
Alley,Mark L	Adjunct Assoc Professor	Dept-Population,Health,Pathobi	Affiliate Grad Faculty	Population Health&Pathobiology
Almond,Glen William	Professor	Dept-Population,Health,Pathobi	Grad Faculty	Population Health&Pathobiology
Alonso,Jose Miguel	Named Professor	Plant and Microbial Biology	Grad Faculty	Plant and Microbial Biology
Alonso,Silvia T.	Emeritus Associate Professor	Foreign Languages And Literatu	Grad Faculty	Foreign Languages and Lit
Alston-Mills,Brenda P	Emeritus Professor	Animal Science	Grad Faculty	Animal Science
Alvarez Munoz,Jose Santos	Adjunct Asst Professor	For & Envir Res Acad Research	Affiliate Grad Faculty	For & Envir Res Acad Research
Amassian,Aram	Assoc Professor	Materials Science &Engineering	Grad Faculty	Materials Science &Engineering
Amatya,Devendra M	Adjunct Assoc Professor	Biological And Agricultural En	Affiliate Grad Faculty	Biological And Agri Engr
Ambaras,David R	Professor	History	Grad Faculty	History
Amein,Michael	Emeritus Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Amerson,Henry Van	Emeritus Associate Professor	Forest Biotech Program	Grad Faculty	For & Envir Res Acad Research
Ames,Natalie R.	Assoc Professor	Social Work	Grad Faculty	Social Work
Amezquita,Alejandro	Adjunct Asst Professor	Food,Bioprocess & Nutrition Sc	Affiliate Grad Faculty	Food,Bioprocess & Nutrition Sc
Amoozegar,Aziz	Professor	Crop & Soil Sciences	Grad Faculty	Soil Science
Anantharamaiah,Nagendra	Research Asst Professor	Textile Engineering, Chemistry	Affiliate Grad Faculty	Textile Engr Chemistry & Sci
Anderson,Kenneth E	Professor	Prestage Poultry Science	Grad Faculty	Prestage Poultry Science
Anderson,Kevin L.	Professor	Dept-Population,Health,Pathobi	Grad Faculty	Population Health&Pathobiology
Anderson,Norman Dean	Emeritus Professor	Sci, Tech, Engr & Math (STEM)	Grad Faculty	Sci, Tech, Engr & Math (STEM)
Andrady,Anthony L	Adjunct Professor	Chemical & Biomolecular Engr	Affiliate Grad Faculty	Chemical & Biomolecular Engr.
Andrews,Janice M	Adjunct Assoc Professor	Dept-Population,Health,Pathobi	Affiliate Grad Faculty	Population Health&Pathobiology
Aneja,Viney Pal	Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Ange-Van Heugten,Kimberly Dawn	Teaching Asst Professor	Animal Science	Grad Faculty	Animal Science
Anholt,Robert R	Adjunct Professor	Biological Sciences	Grad Faculty	Biological Sciences
Anistratov,Dmitriy Y	Assoc Professor	Nuclear Engineering	Grad Faculty	Nuclear Engr
Annett-Hitchcock,Katherine Emma	Assoc Professor	Textile & Apparel, Technology	Grad Faculty	Textile & Apparel Tech & Mgmt
Anson,Christopher M	Distinguished University Prof	English	Grad Faculty	English
Anton,Ana I	Adjunct Professor	Computer Science-engr	Affiliate Grad Faculty	Computer Science-Engr
Apperson,Charles Smith	Emeritus Named Professor	Entomology & Plant Pathology	Grad Faculty	Entomology
Appling,Tracy Ann	Teaching Asst Professor	Public & International Affairs	Grad Faculty	Public & International Affairs
Arasu,Prema	Professor	Dept Molecular Biomedical Scie	Grad Faculty	Dept Molecular Biomedical Sci
Archer,Daniel	Adjunct Assoc Professor	Nuclear Engineering	Affiliate Grad Faculty	Nuclear Engr
Archer,Trevor Keith	Adjunct Professor	Dept-Population,Health,Pathobi	Affiliate Grad Faculty	Population Health&Pathobiology
Ardon Sayao,Marcelo Luise	Assoc Professor	For & Envir Res Acad Research	Grad Faculty	For & Envir Res Acad Research
Arends,James J.	Adjunct Professor	Entomology & Plant Pathology	Affiliate Grad Faculty	Entomology
Arendt,Carli Anne	Asst Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Argyropoulos,Dimitris S	Professor	Forest Biomaterials	Grad Faculty	Forest Biomaterials
Armstrong,Helen Saunders	Assoc Professor	Graphic & Industrial Design	Grad Faculty	Graphic & Industrial Design
Arnold,Alison E.	Lecturer	Music	Affiliate Grad Faculty	Music
Arnold,Alison E.	Teaching Asst Professor	Interdisciplinary Studies	Affiliate Grad Faculty	Interdisciplinary Studies
Arnold,John F.	Emeritus Associate Professor	TELS	Grad Faculty	TELS
Arrington,Shirley Hart		ELPHD	Affiliate Grad Faculty	
Arumugam,Sankarasubramanian	Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Arya,Satya Pal Singh	Emeritus Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Ascencio-Ibanez,Jose Trinidad	Teaching Assoc Professor	Biochemistry	Grad Faculty	Biochemistry
Ashley,Patricia Andrews		ELPHD	Affiliate Grad Faculty	
Ashrafi,Hamid	Asst Professor	Horticultural Science	Grad Faculty	Horticultural Science

Ashwell, Christopher M.	Professor	Prestage Poultry Science	Grad Faculty	Prestage Poultry Science
Aspnes, David E	Distinguished University Prof	Physics	Grad Faculty	Physics
Atchley, William Reid	Emeritus Named Distng'd Prof	Biological Sciences	Grad Faculty	Genetics
Atkins, Clarke E.	Emeritus Distinguished Prof	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Atkinson, Maxine P.	Professor	Sociology & Anthropology	Grad Faculty	Sociology & Anthropology
Attarian PhD, Aram	Emeritus Associate Professor	Parks, Recreation & Tourism Mg	Grad Faculty	Health and Exercise Studies
Auerbach, David D.	Emeritus Asst Professor	Philosophy & Religious Studies	Grad Faculty	Philosophy & Religious Studies
Augsburger, Thomas Paul	Adjunct Assoc Professor	Biological Sciences	Affiliate Grad Faculty	Biological Sciences
Augustyn, Veronica	Asst Professor	Materials Science & Engineering	Grad Faculty	Materials Science & Engineering
Aurand, Leonard W.	Emeritus Professor	Food, Bioprocess & Nutrition Sc	Grad Faculty	Food, Bioprocess & Nutrition Sc
Austin, David Franklin	Assoc Professor	Philosophy & Religious Studies	Grad Faculty	Philosophy & Religious Studies
Avery Jr, Gene Brooks	Adjunct Assoc Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Avery, Matthew Rogers	Lecturer	Statistics	Affiliate Grad Faculty	Statistics
Avramova, Maria Nikolova	Assoc Professor	Nuclear Engineering	Grad Faculty	Nuclear Engr
Aylor, David Lawrence	Asst Professor	Biological Sciences	Grad Faculty	Biological Sciences
Ayoub, Ali	Adjunct Asst Professor	Forest Biomaterials	Affiliate Grad Faculty	Forest Biomaterials
Ayoub, Mahmoud A.	Emeritus Professor	Fitts Dept Indust & Syst Engr	Grad Faculty	Fitts Dept Indust & Syst Engr
Ayscue, Jennifer Baucom	Asst Professor	ELPHD	Grad Faculty	ELPHD
Aysu, Aydin	Asst Professor	Electrical & Computer Engr.	Affiliate Grad Faculty	Electrical & Computer Engr.
Aziz, Tarek	Asst Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Azmy, Youstry Y	Distinguished Professor	Nuclear Engineering	Grad Faculty	Nuclear Engr
BERRIDGE, Brian R	Adjunct Assoc Professor	Dept-Population, Health, Pathobi	Affiliate Grad Faculty	Population Health&Pathobiology
Baars, Oliver	Asst Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Bacheler, Jack S.	Emeritus Professor	Entomology & Plant Pathology	Grad Faculty	Entomology
Bachmann, Klaus J.	Emeritus Professor	Materials Science & Engineering	Grad Faculty	Materials Science & Engineering
Bahler, Dennis R	Assoc Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Bailey, Christopher Scott	Assoc Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Bailey, John A.	Emeritus Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Bailey, Kermit L	Assoc Professor	Graphic & Industrial Design	Grad Faculty	Graphic & Industrial Design
Baines, Barbara Joan	Emeritus Professor	English	Grad Faculty	English
Bakalov, Bojko Nentchev	Assoc Professor	Mathematics	Grad Faculty	Mathematics
Baker III, George A	Emeritus Named Distng'd Prof	ELPHD	Grad Faculty	ELPHD
Baker, Anne	Assoc Professor	English	Grad Faculty	English
Baker, Erin Marie	Assoc Professor	Chemistry	Grad Faculty	Chemistry
Baker, James R.		Entomology & Plant Pathology	Grad Faculty	
Baker, James R.	Emeritus Professor	Entomology & Plant Pathology	Grad Faculty	Entomology
Baker, Justin Scott	Adjunct Assoc Professor	For & Envir Res Acad Research	Affiliate Grad Faculty	For & Envir Res Acad Research
Baker, Marshall Alan	Asst Professor	Agricultural & Human Sciences	Grad Faculty	Agricultural & Human Sciences
Baker, Meecee M.	Adjunct Professor	Agricultural & Human Sciences	Affiliate Grad Faculty	Agricultural & Extension Edu
Baker, Rodney B	Clinical Assoc Professor	Dept-Population, Health, Pathobi	Affiliate Grad Faculty	Population Health&Pathobiology
Baker, Stanley B	Professor	ELPHD	Grad Faculty	ELPHD
Baker-Ward, Lynne Elizabeth	Professor	Psychology	Grad Faculty	Psychology
Balaban, John	Emeritus Professor	English	Grad Faculty	English
Balaban, Robert S	Adjunct Professor	Dept-Population, Health, Pathobi	Affiliate Grad Faculty	Population Health&Pathobiology
Balan, Tonya E		Business Management-Poole COM	Affiliate Grad Faculty	
Baldwin, Tameshia Ballard	Teaching Asst Professor	Engineering-Academic Affairs	Affiliate Grad Faculty	Sci, Tech, Engr & Math (STEM)
Baliga, B. Jayant	Distinguished University Prof	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Balik, Charles M.	Professor	Materials Science & Engineering	Grad Faculty	Materials Science & Engineering
Balik, Suzanne M	Teaching Asst Professor	Computer Science-engr	Affiliate Grad Faculty	Computer Science-Engr
Balint-Kurti, Peter J.	USDA Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Ball Jr, Hershell R.	Emeritus Professor	Food, Bioprocess & Nutrition Sc	Grad Faculty	Food, Bioprocess & Nutrition Sc
Ball, David S.	Emeritus Associate Professor	Economics-Poole COM	Grad Faculty	Economics-Poole COM
Ballinger, Walter Elmer	Emeritus Professor	Horticultural Science	Grad Faculty	Horticultural Science
Ballington Jr, James Ralph		Horticultural Science	Grad Faculty	
Banker, James R.	Emeritus Professor	History	Grad Faculty	History
Banks, Alton Joseph	Lecturer	Chemistry	Affiliate Grad Faculty	Chemistry
Banks, Alton Joseph	Emeritus Professor	Chemistry	Affiliate Grad Faculty	Physics
Banks, Harvey Thomas	Named Distinguished Univ Prof	Mathematics	Grad Faculty	Mathematics
Banks-Lee, Pamela	Assoc Professor	Textile Engineering, Chemistry	Grad Faculty	Textile Engr Chemistry & Sci
Baran, Mesut E	Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Baran, Perver Korca	Teaching Assoc Professor	Ctr. for Geospatial Analytics	Grad Faculty	Parks Recreation & Tourism Mg
Barbeau, Phillip Spencer	Adjunct Professor	Physics	Affiliate Grad Faculty	Physics
Barbieri, Carla E	Assoc Professor	Parks, Recreation & Tourism Mg	Grad Faculty	Parks Recreation & Tourism Mg
Barcinas, Susan J	Assoc Professor	ELPHD	Grad Faculty	ELPHD
Bardaka, Eleni	Asst Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Bardon, Robert E	Professor	Forestry Extension	Grad Faculty	For & Envir Res Acad Research
Barker, Roger L.	Named Professor	Textile Engineering, Chemistry	Grad Faculty	Textile Engr Chemistry & Sci
Barlaz, Morton A	Distinguished University Prof	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Barletta, Kristin Anne	Assoc Professor	Textile & Apparel, Technology	Grad Faculty	Textile & Apparel Tech & Mgmt
Barletta, Philip Thomas		Electrical & Computer Engr.	Affiliate Grad Faculty	
Barnes, Harold J.	Emeritus Professor	Dept-Population, Health, Pathobi	Grad Faculty	Population Health&Pathobiology
Barnes, Tiffany M	Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Barnhardt, Robert A	Emeritus Professor	Textile & Apparel, Technology	Grad Faculty	Textile & Apparel Tech & Mgmt
Barnhardt, William Wilton	Professor	English	Grad Faculty	English
Baron, Dror Zeev	Assoc Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Barr, Steve H	Professor	Mgmt, Innovation&Entrepreneur	Grad Faculty	Mgmt, Innovation & Entrepreneur
Barrangou, Rodolphe	Professor	Food, Bioprocess & Nutrition Sc	Grad Faculty	Food, Bioprocess & Nutrition Sc
Barrax, Gerald W.	Emeritus Professor	English	Grad Faculty	English
Barrie, Thomas M	Professor	Architecture	Grad Faculty	Architecture
Bartlett II, James E	Assoc Professor	ELPHD	Grad Faculty	ELPHD
Bartlett, Michelle E	Teaching Asst Professor	ELPHD	Grad Faculty	ELPHD
Bartley, Jon W.	Professor	Accounting-Poole COM	Grad Faculty	Accounting-Poole COM

Barycki,Joseph J	Professor	Biochemistry - METRIC	Grad Faculty	Biochemistry
Bass,Lisa R	Assoc Professor	ELPHD	Grad Faculty	ELPHD
Bassett,Ross Knox	Professor	History	Grad Faculty	History
Battaller PhD,Alexander William	Research Asst Professor	Physics	Grad Faculty	Physics
Batchelor,Peter	Emeritus Professor	Architecture	Grad Faculty	Architecture
Bateman,Durward F.	Emeritus Professor	Dean's Office - CALS	Grad Faculty	Entomology & Plant Pathology
Bates PhD,John Joseph	Adjunct Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Batra,Subhash K.	Emeritus Named Professor	Textile & Apparel, Technology	Grad Faculty	Textile & Apparel Tech & Mgmt
Batson,Scott Christopher	Adjunct Asst Professor	Mathematics	Affiliate Grad Faculty	Mathematics
Battestilli,Tzvetelina	Teaching Assoc Professor	Computer Science-engr	Affiliate Grad Faculty	Computer Science-Engr
Baugh Jr,John W	Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Baughman,Gerald R.	Emeritus Associate Professor	Biological And Agricultural En	Grad Faculty	Biological And Agri Engr
Baumer,David L.	Emeritus Professor	Business Management-Poole COM	Grad Faculty	Business Management-Poole COM
Baxter,Martin A	Adjunct Assoc Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Baynes,Ronald E	Professor	Dept-Population,Health,Pathobi	Grad Faculty	Dept Molecular Biomedical Sci
Beal,Candy M	Assoc Professor	TELS	Grad Faculty	TELS
Bean,Eban Zachary	Adjunct Asst Professor	Biological And Agricultural En	Affiliate Grad Faculty	Biological And Agri Engr
Beare,Zachary Charles	Asst Professor	English	Grad Faculty	English
Bearon,Lucille B	Assoc Professor	Agricultural & Human Sciences	Grad Faculty	4-H Youth Dev & Fam & Cons Sci
Beasley,Mark S	Named Professor	Accounting-Poole COM	Grad Faculty	Accounting-Poole COM
Becchi,Michela	Assoc Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Beck PhD,Keith Russell	Professor	Textile Engineering, Chemistry	Grad Faculty	Textile Engr Chemistry & Sci
Beck,Ashley Esther	Asst Professor	Biological And Agricultural En	Grad Faculty	Biological And Agri Engr
Beckman,Gary Dean	Teaching Professor	Music	Affiliate Grad Faculty	Music
Beckmann,Robert L.		Plant and Microbial Biology	Grad Faculty	
Beckstead,Robert Byron	Assoc Professor	Prestage Poultry Science	Grad Faculty	Prestage Poultry Science
Bedair,Salah M. A.	Named Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Begeny,John Charles	Professor	Psychology	Grad Faculty	Psychology
Behnke,Andrew O		Agricultural & Human Sciences	Grad Faculty	
Beichner,Robert J	Professor	STEM:Science,Tech,Engin,&Math	Grad Faculty	Physics
Beisel,Chase	Assoc Professor	Chemical & Biomolecular Engr	Grad Faculty	Chemical & Biomolecular Engr.
Belcher,Scott M	Assoc Professor	Biological Sciences	Grad Faculty	Biological Sciences
Bell Jr,Bryan	Assoc Professor	Architecture	Grad Faculty	Architecture
Bell,Geoffrey Weszely	Adjunct Asst Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Belmont,Patrick William	Adjunct Asst Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Benge,Drinda Elaine	Teaching Asst Professor	TELS	Grad Faculty	TELS
Bennett,Barbara A	Professor	English	Grad Faculty	English
Bennett,Sara Lynn	Clinical Asst Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Benson,David M.	Emeritus Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Benson,Geoffrey A.	Emeritus Professor	Ag & Resource Economics	Grad Faculty	Ag & Resource Economics
Bereman,Michael S.	Asst Professor	Biological Sciences	Grad Faculty	Biological Sciences
Bereman,Robert D.	Emeritus Professor	Chemistry	Grad Faculty	Chemistry
Berglund,Emily Zechman	Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Bergmann PhD,Ben Andrew		Horticultural Science	Affiliate Grad Faculty	
Bernhard,Richard Harold	Lecturer	Fitts Dept Indust & Syst Engr	Grad Faculty	Fitts Dept Indust & Syst Engr
Bernhard,Richard Harold	Emeritus Professor	Fitts Dept Indust & Syst Engr	Grad Faculty	Fitts Dept Indust & Syst Engr
Bernholz,Jerzy	Named Professor	Physics	Grad Faculty	Physics
Berreth,Todd Michael	Asst Professor	Art and Design	Grad Faculty	Art and Design
Berry-James,Rajade M	Assoc Professor	Public & International Affairs	Grad Faculty	Public & International Affairs
Bertone,Matthew Alan		Entomology & Plant Pathology	Affiliate Grad Faculty	
Berube,David Michael	Professor	Communication	Grad Faculty	Communication
Beute,Marvin K.	Emeritus Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Bhattacharya,Subhashish	Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Bhawe,Nachiket Meghashyam	Asst Professor	Mgmt, Innovation&Entrepreneur	Grad Faculty	Mgmt, Innovation & Entrepreneu
Bilderback,Theodore E.	Emeritus Professor	Horticultural Science	Grad Faculty	Horticultural Science
Bilenkin,Vladimir	Assoc Professor	Foreign Languages And Literatu	Grad Faculty	Foreign Languages and Lit
Binder,Andrew Ray	Assoc Professor	Communication	Grad Faculty	Communication
Bingham,William L.	Emeritus Associate Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Bird,Carolyn L.	Professor	Agricultural & Human Sciences	Grad Faculty	4-H Youth Dev & Fam & Cons Sci
Bird,David M	Named Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Birgand,Francois Philippe	Assoc Professor	Biological And Agricultural En	Grad Faculty	Biological And Agri Engr
Birkenheuer,Adam Joseph	Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Birkland,Thomas A	Professor	Dean's Office Research	Grad Faculty	Public & International Affairs
Bishir,John William	Emeritus Professor	Mathematics	Grad Faculty	Mathematics
Bishop,Paul Edward	Emeritus USDA Prof	Plant and Microbial Biology	Grad Faculty	Microbiology
Bishop,Stuart Paul	Asst Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Bitting,Paul F.	Emeritus Associate Professor	ELPHD	Grad Faculty	ELPHD
Bitzer,Donald L.	Distinguished University Prof	Computer Science-engr	Grad Faculty	Computer Science-Engr
Bivins,Jason Caulfield	Professor	Philosophy & Religious Studies	Grad Faculty	Philosophy & Religious Studies
Bizikova,Petra	Assoc Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Bizios,Georgia	Emeritus Professor	Architecture	Grad Faculty	Architecture
Black PhD,Tyler Ray	Adjunct Asst Professor	Applied Ecology	Affiliate Grad Faculty	Applied Ecology
Black,Betty L.	Professor	Biological Sciences	Grad Faculty	Biological Sciences
Blackley,Brian	Teaching Assoc Professor	English	Grad Faculty	English
Blaimer,Bonnie Bernadette	Asst Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Blair,Neal Edward	Adjunct Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Blanchard,Margaret R.	Professor	Sci, Tech, Engr & Math (STEM)	Grad Faculty	Sci, Tech, Engr & Math (STEM)
Bland,George F.	Emeritus Associate Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Blank Jr,Philip E.	Emeritus Professor	English	Grad Faculty	English
Blank,Gary B.	Assoc Professor	College of Natural Resources	Grad Faculty	For & Envir Res Acad Research
Blankenship,Sylvia M.		Dean's Office - CALS	Grad Faculty	
Blanton,Richard L.	Professor	Plant and Microbial Biology	Grad Faculty	Plant and Microbial Biology

Blikslager,Anthony T	Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Blondin,John Michael	Professor	College of Sciences - Dean	Grad Faculty	Physics
Bloom,Jessica Dara	Asst Professor	Agricultural & Human Sciences	Grad Faculty	Agricultural & Human Sciences
Bloomfield,Peter	Emeritus Professor	Statistics	Grad Faculty	Statistics
Blum,Udo	Emeritus Professor	Plant and Microbial Biology	Grad Faculty	Plant and Microbial Biology
Bobashev,Georgiy	Adjunct Professor	Statistics	Affiliate Grad Faculty	Statistics
Bocarro,Jason N.	Professor	Parks, Recreation & Tourism Mg	Grad Faculty	Parks Recreation & Tourism Mg
Bochinski,Jason Russell	Research Asst Professor	Physics	Grad Faculty	Physics
Bociu,Lorena Viorica	Assoc Professor	Mathematics	Grad Faculty	Mathematics
Boettcher III,William A	Assoc Professor	Public & International Affairs	Grad Faculty	Public & International Affairs
Bogan,Arthur E	Adjunct Professor	Biological Sciences	Affiliate Grad Faculty	Biological Sciences
Bogan,Arthur E	Adjunct Asst Professor	Applied Ecology	Affiliate Grad Faculty	Applied Ecology
Bogan,Arthur E	Adjunct Asst Professor	Dept-Population,Health,Pathobi	Affiliate Grad Faculty	Applied Ecology
Bogdanovich,Alexander	Adjunct Professor	Textile Engineering, Chemistry	Affiliate Grad Faculty	Textile Engr Chemistry & Sci
Boggs,Belle McQuaide	Assoc Professor	English	Grad Faculty	English
Boham,Kenneth Arnold	Adjunct Asst Professor	ELPHD	Affiliate Grad Faculty	ELPHD
Bohlmann,Jonathan D	Professor	Business Management-Poole COM	Grad Faculty	Business Management-Poole COM
Bohnentstiehl,DelWayne R	Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Bohorquez,Elaine B	Teaching Asst Professor	Physiology Program	Grad Faculty	Prestage Poultry Science
Boles,Michael A.	Assoc Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Bolger,Daniel Patrick	Teaching Asst Professor	History	Grad Faculty	History
Bolger,Daniel Patrick	Teaching Asst Professor	Public & International Affairs	Grad Faculty	Public & International Affairs
Bollmer,Grant David	Assoc Professor	Communication	Grad Faculty	Communication
Bolonyai PhD,Agnes	Assoc Professor	English	Grad Faculty	English
Bolotnov,Igor A	Assoc Professor	Nuclear Engineering	Grad Faculty	Nuclear Engr
Bonagura,John David	Clinical Assoc Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Bondell,Howard D	Adjunct Professor	Statistics Grad & Temp	Grad Faculty	Statistics
Bonin Ferreira,Juliana	Lecturer	Dept-Population,Health,Pathobi	Grad Faculty	Population Health&Pathobiology
Bonner,James C	Professor	Biological Sciences	Grad Faculty	Biological Sciences
Booker,Matthew Morse	Assoc Professor	History	Grad Faculty	History
Boone,Deborah A	Adjunct Assoc Professor	Agricultural & Human Sciences	Affiliate Grad Faculty	Agricultural & Extension Edu
Boone,Kofi Malik	Professor	Landscape Architecture	Grad Faculty	Landscape Architecture
Boos,Dennis D.	Professor	Statistics	Grad Faculty	Statistics
Borden,Robert C.	Emeritus Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Borden,Roy H.	Emeritus Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Bordoloi,Rongmon	Asst Professor	Physics	Grad Faculty	Physics
Boreman Jr,John G.	Adjunct Professor	Applied Ecology	Affiliate Grad Faculty	Applied Ecology
Borkowski,Kazimierz	Research Professor	Physics	Grad Faculty	Physics
Borski,Russell J	Professor	Biological Sciences	Grad Faculty	Biological Sciences
Borst,Luke B	Assoc Professor	Dept-Population,Health,Pathobi	Grad Faculty	Population Health&Pathobiology
Boss,Charles B.	Assoc Professor	Chemistry	Grad Faculty	Chemistry
Boss,Wendy F.	Emeritus Named Professor	Plant and Microbial Biology	Grad Faculty	Plant and Microbial Biology
Bostick Jr,George W.	Emeritus Professor	Agricultural & Human Sciences	Grad Faculty	Agricultural & Extension Edu
Boston,Rebecca S.	Named Distinguished Professor	Administration - Research Serv	Grad Faculty	Plant and Microbial Biology
Bottomley,Laura J	Teaching Assoc Professor	Engineering-Academic Affairs	Grad Faculty	Electrical & Computer Engr.
Bottomley,Laura J	Teaching Assoc Professor	TELS	Grad Faculty	Electrical & Computer Engr.
Bourham,Mohamed Abdelhay	Professor	Nuclear Engineering	Grad Faculty	Nuclear Engr
Bowden,Alyshia Brooks		ELPHD	Grad Faculty	
Bowden,Edmond Francis	Professor	Chemistry	Grad Faculty	Chemistry
Bowden,Jared Heath		Applied Ecology	Affiliate Grad Faculty	
Bowen,Sarah K	Assoc Professor	Sociology & Anthropology	Grad Faculty	Sociology & Anthropology
Bowers Jr,Crowell G.	Emeritus Professor	Biological And Agricultural En	Grad Faculty	Biological And Agri Engr
Bowles,Tuere A.	Assoc Professor	ELPHD	Grad Faculty	ELPHD
Bowman,Daniel C	Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Bowman,Daryl T.	Emeritus Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Boyd,Leon Carl	Emeritus Professor	Food,Bioprocess & Nutrition Sc	Grad Faculty	Food,Bioprocess & Nutrition Sc
Boyd,Raymond Dean	Adjunct Professor	Animal Science	Affiliate Grad Faculty	Animal Science
Boyer,Kristy Elizabeth	Adjunct Assoc Professor	Computer Science-engr	Affiliate Grad Faculty	Computer Science-Engr
Boyette,Michael D	Named Professor	Biological And Agricultural En	Grad Faculty	Biological And Agri Engr
Boyles,James C	Teaching Asst Professor	History	Affiliate Grad Faculty	History
Boys,Kathryn Ann	Asst Professor	Ag & Resource Economics	Grad Faculty	Ag & Resource Economics
Boyter Jr,Henry Alfred	Adjunct Asst Professor	Textile Engineering, Chemistry	Affiliate Grad Faculty	Textile Engr Chemistry & Sci
Bozkurt,Alper Yusuf	Assoc Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Braden,Jeffery P	Professor	College Of Humanities & Soc SC	Grad Faculty	Psychology
Bradford,Marianne	Professor	Accounting-Poole COM	Grad Faculty	Accounting-Poole COM
Bradford,Philip David	Assoc Professor	Textile Engineering, Chemistry	Grad Faculty	Textile Engr Chemistry & Sci
Bradley Jr,Julius R.	Emeritus Professor	Entomology & Plant Pathology	Grad Faculty	Entomology
Bradley,Lucy K	Professor	Horticultural Science	Grad Faculty	Horticultural Science
Bradley,Michael Lee	Adjunct Asst Professor	Dept-Population,Health,Pathobi	Affiliate Grad Faculty	Population Health&Pathobiology
Braga,Cristina	Teaching Asst Professor	ELPHD	Grad Faculty	ELPHD
Bragg-Sitton,Shannon Michelle	Adjunct Professor	Nuclear Engineering	Affiliate Grad Faculty	Nuclear Engr
Braham,Richard Riley	Emeritus Professor	For & Envir Res Acad Research	Grad Faculty	For & Envir Res Acad Research
Braithwaite,Susan Smith	Adjunct Asst Professor	ELPHD	Affiliate Grad Faculty	ELPHD
Brandeis,Susan D.	Professor	Art and Design	Grad Faculty	Art and Design
Brandenburg,Rick Lynn	Named Distinguished Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Brander,Bryan	Adjunct Asst Professor	ELPHD	Affiliate Grad Faculty	ELPHD
Branoff,Theodore J		Sci, Tech, Engr & Math (STEM)	Grad Faculty	
Branson,Bruce C	Professor	Accounting-Poole COM	Grad Faculty	Accounting-Poole COM
Braun,Scott Anthony	Adjunct Assoc Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Braunbeck,Helga G	Professor	Foreign Languages And Literatu	Grad Faculty	Foreign Languages and Lit
Brazel,Joseph F.	Professor	Accounting-Poole COM	Grad Faculty	Accounting-Poole COM
Breen,Matthew	Professor	Dept Molecular Biomedical Scie	Grad Faculty	Dept Molecular Biomedical Sci

Breen,Michael Scott	Adjunct Professor	Civil Const & Environ Engineer	Affiliate Grad Faculty	Civil, Const & Env Engineering
Breidt,Frederick	USDA Professor	Food,Bioprocess & Nutrition Sc	Grad Faculty	Food,Bioprocess & Nutrition Sc
Breitschwerdt,Edward Bealmear	Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Brennan,Michael	Adjunct Asst Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Brenner,Donald Wayne	Named Distinguished Professor	Materials Science &Engineering	Grad Faculty	Materials Science &Engineering
Bressler,Eugene H	Emeritus Professor	Landscape Architecture	Grad Faculty	Landscape Architecture
Breuhaus,Babetta Ann	Assoc Professor	Dept of Clinical Sciences	Grad Faculty	Population Health&Pathobiology
Brglez,Franc	Visiting Research Professor	Computer Science-engr	Affiliate Grad Faculty	Computer Science-Engr
Bridgwater,Floyd Emmitt	USDA Professor	For & Envir Res Acad Research	Grad Faculty	For & Envir Res Acad Research
Brill Jr,Earl Downey	Emeritus Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Brisson,Robert C.	Emeritus Associate Professor	Sociology & Anthropology	Grad Faculty	Sociology & Anthropology
Bristol,David G.		College of Sciences - Dean	Affiliate Grad Faculty	
Brody,Arnold R.	Research Professor	Dept Molecular Biomedical Scie	Affiliate Grad Faculty	Dept Molecular Biomedical Sci
Bromley,Peter T	Emeritus Professor	Applied Ecology	Grad Faculty	Applied Ecology
Brookins,Craig C	Assoc Professor	Psychology	Grad Faculty	Psychology
Brooks,Wayne M.	Emeritus Professor	Entomology & Plant Pathology	Grad Faculty	Entomology
Broome,Stephen W.	Professor	Crop & Soil Sciences	Grad Faculty	Soil Science
Brothers,Gene Leroy	Assoc Professor	Parks, Recreation & Tourism Mg	Grad Faculty	Parks Recreation & Tourism Mg
Browdy,Ronisha Witlee	Asst Professor	English	Grad Faculty	English
Brown Jr,Talmage T.	Emeritus Professor	Dept-Population,Health,Pathobi	Grad Faculty	Population Health&Pathobiology
Brown,Alvin B.	Named Professor	Ag & Resource Economics	Grad Faculty	Ag & Resource Economics
Brown,Ashley Carson	Asst Professor	Biomedical Program - ENG	Grad Faculty	Biomedical Program-Engineering
Brown,Christopher S	Adjunct Professor	Plant and Microbial Biology	Affiliate Grad Faculty	Plant and Microbial Biology
Brown,Dennis T	Professor	Biochemistry	Grad Faculty	Biochemistry
Brown,Henry S.	Emeritus Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Brown,James W	Professor	Biological Sciences	Grad Faculty	Biological Sciences
Brown,John D	Professor	Physics	Grad Faculty	Physics
Brown,Otis B	Research Professor	NC Inst of Climate Studies	Grad Faculty	Marine Earth & Atmospheric Sci
Brown,Robert D		College of Natural Resources	Grad Faculty	
Brown,Zachary Steven	Asst Professor	Ag & Resource Economics	Grad Faculty	Ag & Resource Economics
Brown-Guedira,Gina	USDA Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Brownie,Cavell		Horticultural Science	Grad Faculty	
Brownie,Cavell	Emeritus Professor	Statistics	Grad Faculty	Statistics
Brubaker,Erik Matthews	Adjunct Assoc Professor	Nuclear Engineering	Affiliate Grad Faculty	Nuclear Engr
Bruce,Jacklyn A	Assoc Professor	Agricultural & Human Sciences	Grad Faculty	Agricultural & Extension Edu
Bruck,Robert I.		Entomology & Plant Pathology	Grad Faculty	
Brudno PhD,Yevgeny	Asst Professor	Biomedical Program - ENG	Grad Faculty	Biomedical Program-Engineering
Bruneau,Arthur Henry	Emeritus Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Bruner PhD,David Allen	Adjunct Professor	Textile & Apparel, Technology	Affiliate Grad Faculty	Textile & Apparel Tech & Mgmt
Brunet,James R	Assoc Professor	Public & International Affairs	Grad Faculty	Public & International Affairs
Bruno,Dean	Teaching Asst Professor	History	Grad Faculty	History
Bruno-Barcena,Jose Manuel	Assoc Professor	Plant and Microbial Biology	Grad Faculty	Plant and Microbial Biology
Bryant,Jennifer Richmond	Teaching Asst Professor	For & Envir Res Acad Research	Grad Faculty	For & Envir Res Acad Research
Bryant,Matthew	Asst Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Buchler,Nicolas Emile	Assoc Professor	Dept Molecular Biomedical Scie	Grad Faculty	Dept Molecular Biomedical Sci
Buchwalter,David	Professor	Biological Sciences	Grad Faculty	Biological Sciences
Buckel,Jeffrey A.	Professor	Applied Ecology	Grad Faculty	Applied Ecology
Buckless,Frank Alan Orth	Professor	Dean's Office-Poole COM	Grad Faculty	Accounting-Poole COM
Buckner,Gregory D	Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Budhathoki Uprety,Januka	Asst Professor	Textile Engineering, Chemistry	Grad Faculty	Textile Engr Chemistry & Sci
Buhler,Wayne G	Professor	Horticultural Science	Grad Faculty	Horticultural Science
Buie,Timothy W	Assoc Professor	Graphic & Industrial Design	Grad Faculty	Graphic & Industrial Design
Bull,Leonard S	Emeritus Professor	Animal Science	Grad Faculty	Animal Science
Bullard,Lisa G	Teaching Professor	Chemical & Biomolecular Engr	Affiliate Grad Faculty	Chemical & Biomolecular Engr.
Bullock,Karen	Professor	Social Work	Grad Faculty	Social Work
Bulusu,Subrahmanyam	Adjunct Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Bumgardner,Carl L.	Professor	Chemistry	Grad Faculty	Chemistry
Bunds,Kyle S	Asst Professor	Parks, Recreation & Tourism Mg	Grad Faculty	Parks Recreation & Tourism Mg
Buol,Stanley		Crop & Soil Sciences	Grad Faculty	
Buol,Stanley	Emeritus Distinguished Prof	Crop & Soil Sciences	Grad Faculty	Soil Science
Buongiorno-Nardelli,Marco	Adjunct Professor	Physics	Affiliate Grad Faculty	Physics
Burchell II,Michael R	Assoc Professor	Biological And Agricultural En	Grad Faculty	Biological And Agri Engr
Burgess,Helen Jane	Assoc Professor	English	Grad Faculty	English
Burke,Daniel Joseph	Professor	Biological Sciences	Grad Faculty	Biological Sciences
Burke,Megan Jolane	Clinical Asst Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Burkey,Kent Oliver	USDA Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Burkhart,Harold Eugene	Adjunct Professor	For & Envir Res Acad Research	Affiliate Grad Faculty	For & Envir Res Acad Research
Burkholder,Joann M.	Named Distinguished Professor	Applied Aquatic Ecology Center	Grad Faculty	Applied Ecology
Burleson,Gary Ray	Adjunct Professor	Dept of Clinical Sciences	Affiliate Grad Faculty	Dept of Clinical Sciences
Burnette,Jennifer Leslie	Assoc Professor	Psychology	Grad Faculty	Psychology
Burrack,Hannah J	Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Burton,James D.		Horticultural Science	Grad Faculty	
Burton,Joseph William	Emeritus USDA Prof	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Busch,Kirstin Collette Rogis	Asst Professor	Sci, Tech, Engr & Math (STEM)	Grad Faculty	Sci, Tech, Engr & Math (STEM)
Bush,Kimberly Ann	Teaching Assoc Professor	Parks, Recreation & Tourism Mg	Affiliate Grad Faculty	Parks Recreation & Tourism Mg
Butcher,Kenneth Roy		Dairy Records Processing	Affiliate Grad Faculty	
Bykova,Marina F.	Professor	Philosophy & Religious Studies	Grad Faculty	Philosophy & Religious Studies
Byrd,Christy Michelle	Asst Professor	TELS	Grad Faculty	TELS
Byrd,Gregory T	Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Byrd,Medwick V	Teaching Assoc Professor	Forest Biomaterials	Affiliate Grad Faculty	Forest Biomaterials
Byrne,Paul Kevin	Assoc Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Cabas Mijares,Ashly Margot	Asst Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering

Caddell PhD,Joseph William	Adjunct Asst Professor	History	Affiliate Grad Faculty	History
Cahoon,Charles William	Asst Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Caldwell,Peter Vernon	Adjunct Asst Professor	For & Envir Res Acad Research	Affiliate Grad Faculty	For & Envir Res Acad Research
Calkins,Margaret Evans	Professor	Landscape Architecture	Grad Faculty	Landscape Architecture
Call,Douglas Franklin	Asst Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Callahan,Benjamin John	Asst Professor	Dept-Population,Health,Pathobi	Grad Faculty	Dept Molecular Biomedical Sci
Callanan,Roger A.		Student Conduct	Affiliate Grad Faculty	
Callaway,Robert David	Adjunct Asst Professor	Electrical & Computer Engr.	Affiliate Grad Faculty	Electrical & Computer Engr.
Campbell,Jennifer L	Teaching Assoc Professor	Biological Sciences	Grad Faculty	Biological Sciences
Campbell,Stephen LaVern	Professor	Mathematics	Grad Faculty	Mathematics
Campbell,William V.	Emeritus Professor	Entomology & Plant Pathology	Grad Faculty	Entomology
Caner,Mehmet	Named Professor	Economics-Poole COM	Grad Faculty	Economics-Poole COM
Caner,Turanay	Assoc Professor	Mgmt, Innovation&Entrepreneur	Affiliate Grad Faculty	Mgmt, Innovation & Entrepreneur
Cannon,Ronald Eugene	Adjunct Professor	Biological Sciences	Affiliate Grad Faculty	Biological Sciences
Cannon,Ronald Eugene	Adjunct Asst Professor	Genetics	Affiliate Grad Faculty	Genetics
Cannon,Sarah	Teaching Asst Professor	TELS	Grad Faculty	TELS
Cannon,Susan C		Architecture	Affiliate Grad Faculty	
Cantrell,Keri B.	Adjunct Asst Professor	Biological And Agricultural En	Affiliate Grad Faculty	Biological And Agri Engr
Cao,Jie	Asst Professor	Applied Ecology	Grad Faculty	Applied Ecology
Cao,Linyou	Assoc Professor	Materials Science &Engineering	Grad Faculty	Materials Science &Engineering
Capanema,Ewellyn A	Adjunct Assoc Professor	Forest Biomaterials	Affiliate Grad Faculty	Forest Biomaterials
Caple,Patricia C.	Emeritus Associate Professor	Communication	Grad Faculty	Communication
Caplen,Natasha Jane	Adjunct Professor	Dept-Population,Health,Pathobi	Affiliate Grad Faculty	Population Health&Pathobiology
Carawan,Roy E.	Emeritus Professor	Food,Bioprocess & Nutrition Sc	Grad Faculty	Food,Bioprocess & Nutrition Sc
Carbone,Ignazio	Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Carbone,Mary Anna	Research Asst Professor	Biological Sciences	Affiliate Grad Faculty	Biological Sciences
Carbonelli,Ruben G.	Named Distinguished Professor	BTEC-Biomfg Training Ed Ctr	Grad Faculty	Chemical & Biomolecular Engr.
Cardinal,Andrea J		Crop & Soil Sciences	Grad Faculty	
Cardoza,Yasmin Judith	Adjunct Professor	Entomology & Plant Pathology	Affiliate Grad Faculty	Entomology & Plant Pathology
Carlson,Gerald A.	Emeritus Professor	Ag & Resource Economics	Grad Faculty	Ag & Resource Economics
Carlton,Ann Marie Grover	Adjunct Asst Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Carmichael,Halbert H.	Emeritus Professor	Chemistry	Grad Faculty	Chemistry
Carr,Jon	Named Distinguished Professor	Mgmt, Innovation&Entrepreneur	Grad Faculty	Business Management-Poole COM
Carrier,Sarah J	Assoc Professor	TELS	Grad Faculty	Elementary Education
Carroll Jr,Daniel E	Emeritus Professor	Food,Bioprocess & Nutrition Sc	Grad Faculty	Food,Bioprocess & Nutrition Sc
Carroll,John W	Professor	Philosophy & Religious Studies	Grad Faculty	Philosophy & Religious Studies
Carson,Susan B.	Professor	Quality Enhancement Plan	Grad Faculty	Plant and Microbial Biology
Cartee,Lianne A.	Teaching Assoc Professor	Biomedical Program - ENG	Affiliate Grad Faculty	Biomedical Program-Engineering
Carter Jr,George L	Emeritus Professor	Adult & Higher Education	Grad Faculty	Adult & Higher Education
Carter,Glenda S.	Emeritus Associate Professor	Sci, Tech, Engr & Math (STEM)	Grad Faculty	Sci, Tech, Engr & Math (STEM)
Carter,Michael P.	Professor	Graduate School-Dean's Office	Grad Faculty	English
Carter,Thomas A.	Emeritus Professor	Prestage Poultry Science	Grad Faculty	Prestage Poultry Science
Carter,Thomas E.	USDA Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Caruolo,Edward V.	Emeritus Professor	Animal Science	Grad Faculty	Animal Science
Carver II,William Sidney	Adjunct Asst Professor	ELPHD	Affiliate Grad Faculty	ELPHD
Carver,Donna K.	Professor	Prestage Poultry Science	Grad Faculty	Prestage Poultry Science
Case,Daniel Troy	Professor	Sociology & Anthropology	Grad Faculty	Sociology & Anthropology
Casey,David S.	Adjunct Asst Professor	Animal Science	Affiliate Grad Faculty	Animal Science
Casey,Warren Michael	Adjunct Assoc Professor	Microbiology	Affiliate Grad Faculty	Microbiology
Cason,Franklin D	Asst Professor	English	Grad Faculty	English
Casper,Jonathan M	Assoc Professor	Parks, Recreation & Tourism Mg	Grad Faculty	Parks Recreation & Tourism Mg
Cass,Cheryl Parzel	Adjunct Assoc Professor	Materials Science &Engineering	Affiliate Grad Faculty	Materials Science &Engineering
Cassel,Donald K.	Emeritus Professor	Crop & Soil Sciences	Grad Faculty	Soil Science
Cassill PhD,Nancy Louise		Academic Programs	Grad Faculty	
Castellano,Felix Nicholas	Professor	Chemistry	Grad Faculty	Chemistry
Castillo,Miguel Sebastian	Assoc Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Castorena,Cassandra Alison	Assoc Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Castro Bolinaga,Celso Francisco	Asst Professor	Biological And Agricultural En	Grad Faculty	Biological And Agri Engr
Catignani,George L.	Emeritus Professor	Food,Bioprocess & Nutrition Sc	Grad Faculty	Food,Bioprocess & Nutrition Sc
Cavanagh,John	Research Professor	Biochemistry	Grad Faculty	Biochemistry
Cawthon,Tony W	Professor	ELPHD	Grad Faculty	ELPHD
Caye PhD,Joanne Snyder	Adjunct Asst Professor	ELPHD	Affiliate Grad Faculty	ELPHD
Chabay,Ruth W.	Emeritus Professor	Physics	Grad Faculty	Physics
Chakraborty,Aranya	Assoc Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Champion,Brenda D	Teaching Asst Professor	ELPHD	Affiliate Grad Faculty	ELPHD
Chandler,Richard E.	Emeritus Professor	Mathematics	Grad Faculty	Mathematics
Chang,Chih-Hao	Assoc Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Chang,Hou-Min	Emeritus Professor	Forest Biomaterials	Grad Faculty	Forest Biomaterials
Chang,Simon W.	Adjunct Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Chang,Wei-Chen	Asst Professor	Chemistry	Grad Faculty	Chemistry
Chao,Allen C.	Emeritus Associate Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Chapman,Benjamin James	Assoc Professor	Agricultural & Human Sciences	Grad Faculty	4-H Youth Dev & Fam & Cons Sci
Chapman,Diane D	Teaching Professor	ELPHD	Grad Faculty	ELPHD
Chapman,Lisa McNew	Adjunct Asst Professor	ELPHD	Affiliate Grad Faculty	ELPHD
Chapman,Stephen N	Emeritus Associate Professor	Business Management-Poole COM	Grad Faculty	Business Management-Poole COM
Charlton,Harvey Johnson	Emeritus Asst Professor	Mathematics	Grad Faculty	Mathematics
Charney,Joseph J	Adjunct Asst Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Chen,Crystal	Asst Professor	TELS	Grad Faculty	TELS
Chen,Karen Boru	Asst Professor	Fitts Dept Indust & Syst Engr	Grad Faculty	Fitts Dept Indust & Syst Engr
Chen,Wei	Lecturer	Mathematics	Affiliate Grad Faculty	Mathematics
Chen,Yuang Sung Al	Professor	Accounting-Poole COM	Grad Faculty	Accounting-Poole COM
Cheng,Jay Jiayang	Professor	Biological And Agricultural En	Grad Faculty	Biological And Agri Engr

Cheng,Ke	Professor	Dept Molecular Biomedical Scie	Grad Faculty	Dept Molecular Biomedical Sci
Cheng,Yang	Asst Professor	Communication	Grad Faculty	Communication
Cherry,Megan L	Asst Professor	History	Grad Faculty	History
Chertock,Alina Emil	Professor	Mathematics	Grad Faculty	Mathematics
Chescheir III,George Maynard	Emeritus Research Assoc Prof	Biological And Agricultural En	Grad Faculty	Biological And Agri Engr
Cheshire,Heather Mcrae		For & Envir Res Acad Research	Grad Faculty	
Chi,Eric Culbert	Asst Professor	Statistics	Grad Faculty	Statistics
Chi,Min	Asst Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Chiang,Vincent L C	Emeritus Distinguished Prof	For & Envir Res Acad Research	Grad Faculty	For & Envir Res Acad Research
Childs,Nicole Marie	Teaching Asst Professor	ELPHD	Grad Faculty	ELPHD
Chinn,Mari S	Professor	Biological And Agricultural En	Grad Faculty	Biological And Agri Engr
Chirkova,Rada Yuryevna	Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Cho,Seong Hee	Asst Professor	Psychology	Grad Faculty	Psychology
Cho,Soolyeon	Assoc Professor	Architecture	Grad Faculty	Architecture
Choct,Mingan	Adjunct Professor	Prestage Poultry Science	Affiliate Grad Faculty	Prestage Poultry Science
Chou,Wu-show	Emeritus Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Chow,Mo-Yuen	Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Christensen,Vern L.	Emeritus Professor	Prestage Poultry Science	Grad Faculty	Prestage Poultry Science
Christiansen,Emily Fenimore	Adjunct Asst Professor	Dept of Clinical Sciences	Affiliate Grad Faculty	Dept of Clinical Sciences
Chu,Moody Ten-Chao	Professor	Mathematics	Grad Faculty	Mathematics
Chukwu,Ethelbert N.	Emeritus Professor	Mathematics	Grad Faculty	Mathematics
Chung,Kwong T.	Emeritus Professor	Physics	Grad Faculty	Physics
Chung,Lung-ock	Professor	Mathematics	Grad Faculty	Mathematics
Chung,Sharon Yeokyoung	Teaching Asst Professor	ELPHD	Grad Faculty	ELPHD
Clapp,Timothy Gladstone	Professor	Textile & Apparel, Technology	Grad Faculty	Textile & Apparel Tech & Mgmt
Clapp,Timothy Gladstone	Professor	Textile Engineering, Chemistry	Grad Faculty	Textile & Apparel Tech & Mgmt
Clark Jr,James W	Emeritus Professor	English	Grad Faculty	English
Clark,Aaron Catron	Professor	Sci, Tech, Engr & Math (STEM)	Grad Faculty	Sci, Tech, Engr & Math (STEM)
Clark,Robert L.	Professor	Economics-Poole COM	Grad Faculty	Economics-Poole COM
Clark,Roger Harrison		Architecture	Grad Faculty	
Clark,Tony F	Adjunct Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Clarke,Bruce Kurk	Adjunct Professor	Entomology & Plant Pathology	Affiliate Grad Faculty	Entomology & Plant Pathology
Clarke,Laura I	Professor	Physics	Grad Faculty	Physics
Clarke,Susan T.	Assoc Professor	Dept-Population,Health,Pathobi	Grad Faculty	Population Health&Pathobiology
Classen,John J	Assoc Professor	Biological And Agricultural En	Grad Faculty	Biological And Agri Engr
Clerkin,Richard M	Professor	Public & International Affairs	Grad Faculty	Public & International Affairs
Clifford II,William B.	Emeritus Professor	Sociology & Anthropology	Grad Faculty	Sociology And Anthropology
Clouse,Steven D	Emeritus Professor	Horticultural Science	Grad Faculty	Horticultural Science
Cobb,David T.	Adjunct Asst Professor	Applied Ecology	Affiliate Grad Faculty	Applied Ecology
Cobb,Grover Cleveland	Emeritus Associate Professor	Physics	Grad Faculty	Physics
Coble,Harold D.	Emeritus Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Coe,Charles K.	Emeritus Professor	Public & International Affairs	Grad Faculty	Public & International Affairs
Coffey,Max T.		Animal Science	Affiliate Grad Faculty	
Coggburn,Jerrell D	Professor	Public & International Affairs	Grad Faculty	Public & International Affairs
Cohen,Allen C	Research Professor	Entomology & Plant Pathology	Affiliate Grad Faculty	Entomology & Plant Pathology
Cohen,Jo-Ann D.	Professor	Mathematics	Grad Faculty	Mathematics
Cohen,Paul	Named Professor	Fitts Dept Indust & Syst Engr	Grad Faculty	Fitts Dept Indust & Syst Engr
Cole-Hussein,Jacqueline	Asst Professor	Biomedical Program - ENG	Grad Faculty	Biomedical Program-Engineering
Coll-Barreu,Juan		Architecture	Grad Faculty	
Collazo,Jaime A.	USDI Professor	Applied Ecology	Grad Faculty	Applied Ecology
Collazo,Ramon R	Assoc Professor	Materials Science &Engineering	Grad Faculty	Materials Science &Engineering
Colle,Brian A	Adjunct Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Collins,Guy David	Extension Associate Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Collins,William K.	Emeritus Named Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Combettes,Patrick Louis	Professor	Mathematics	Grad Faculty	Mathematics
Comins,Daniel L.	Emeritus Professor	Chemistry	Grad Faculty	Chemistry
Comstock,Gary L	Professor	Philosophy & Religious Studies	Grad Faculty	Philosophy & Religious Studies
Conant,Gavin Clay	Assoc Professor	Biological Sciences	Grad Faculty	Biological Sciences
Confrey,Jere	Named Distinguished Univ Prof	Sci, Tech, Engr & Math (STEM)	Grad Faculty	Sci, Tech, Engr & Math (STEM)
Conrad,Hans	Emeritus Professor	Materials Science &Engineering	Grad Faculty	Materials Science &Engineering
Cook Jr,James W	Emeritus Professor	Physics	Grad Faculty	Physics
Cook,Rachel Louise	Asst Professor	The Forest Nutrition Cooperati	Grad Faculty	For & Envir Res Acad Research
Cooke,James A	Adjunct Asst Professor	Mechanical & Aerospace Engr	Affiliate Grad Faculty	Mechanical & Aerospace Engr
Cooke,Natalie Kathleen	Teaching Asst Professor	Food,Bioprocess & Nutrition Sc	Grad Faculty	Food,Bioprocess & Nutrition Sc
Cooper,Andrew A.		Mathematics	Affiliate Grad Faculty	
Cooper,Arthur W.	Emeritus Professor	For & Envir Res Acad Research	Grad Faculty	For & Envir Res Acad Research
Cooper,Caren Beth	Assoc Professor	For & Envir Res Acad Research	Grad Faculty	For & Envir Res Acad Research
Cooper,Matthew Ellis	Teaching Assoc Professor	Chemical & Biomolecular Engr	Affiliate Grad Faculty	Chemical & Biomolecular Engr.
Cooper,Richard J	Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Cooper,William J	Adjunct Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Cope,Will Allen	Emeritus Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Cope,William Gregory	Named Professor	Applied Ecology	Grad Faculty	Applied Ecology
Copeland,Billy J.	Emeritus Professor	Applied Ecology	Grad Faculty	Applied Ecology
Corbett,David Reide	Adjunct Asst Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Corbin,Frederick Thomas	Emeritus Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Corn,Jenifer Osullivan		Friday Institute	Affiliate Grad Faculty	
Cornwell,John Calhoun	Emeritus Professor	Animal Science	Grad Faculty	Animal Science
Coronel,Pablo Marcelo	Adjunct Professor	Food,Bioprocess & Nutrition Sc	Affiliate Grad Faculty	Food,Bioprocess & Nutrition Sc
Corral,Eduardo C	Asst Professor	English	Grad Faculty	English
Correa,Maria T	Professor	Dept-Population,Health,Pathobi	Grad Faculty	Population Health&Pathobiology
Corson PhD,Peter Burton		Mechanical & Aerospace Engr	Affiliate Grad Faculty	
Cosco,Nilda Graciela	Research Assoc Professor	Landscape Architecture	Affiliate Grad Faculty	Landscape Architecture

Costanza,Jennifer Kwasny	Research Asst Professor	For & Envir Res Acad Research	Grad Faculty	For & Envir Res Acad Research
Cotanch,Stephen R.	Emeritus Professor	Physics	Grad Faculty	Physics
Coulston,John Wesley	Adjunct Asst Professor	For & Envir Res Acad Research	Affiliate Grad Faculty	For & Envir Res Acad Research
Coupet,Jason Alex	Asst Professor	Public & International Affairs	Grad Faculty	Public & International Affairs
Covington,David H.	Emeritus Associate Professor	English	Grad Faculty	English
Cowen,Peter	Assoc Professor	Dept-Population,Health,Pathobi	Grad Faculty	Population Health&Pathobiology
Cowger,Christina	USDA Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Cowley,Michael Anthony	Asst Professor	Biological Sciences	Grad Faculty	Biological Sciences
Cowling,Ellis B.	Emeritus Professor	College of Natural Resources	Grad Faculty	Entomology & Plant Pathology
Cox,Chandra D	Professor	Art and Design	Grad Faculty	Art and Design
Craig,Elizabeth Ann	Assoc Professor	Communication	Grad Faculty	Communication
Craig,Lee A	Professor	Economics-Poole COM	Grad Faculty	Economics-Poole COM
Craig,Stephen Bartholomew	Assoc Professor	Psychology	Grad Faculty	Psychology
Crawford,Elizabeth M.	Emeritus Professor	Sociology & Anthropology	Grad Faculty	Sociology & Anthropology
Cray,Paula J	Professor	Dept-Population,Health,Pathobi	Grad Faculty	Population Health&Pathobiology
Creamer,Nancy G	Named Distinguished Professor	Horticultural Science	Grad Faculty	Horticultural Science
Crespo,Rocio	Professor	Dept-Population,Health,Pathobi	Grad Faculty	Population Health&Pathobiology
Crickenberger,Roger G.	Emeritus Professor	Animal Science	Grad Faculty	Animal Science
Crisci,Elisa	Asst Professor	Dept-Population,Health,Pathobi	Grad Faculty	Population Health&Pathobiology
Crisp,Denise M	Professor	Graphic & Industrial Design	Grad Faculty	Graphic & Industrial Design
Crisp,James E.	Emeritus Professor	History	Grad Faculty	History
Crissman,Dorothy E	Teaching Asst Professor	TELS	Affiliate Grad Faculty	TELS
Crook,Nathan Charles	Asst Professor	Chemical & Biomolecular Engr	Grad Faculty	Chemical & Biomolecular Engr.
Croom Jr,Warren J	Emeritus Professor	Prestage Poultry Science	Grad Faculty	Prestage Poultry Science
Croom,Dan Barry	Emeritus Professor	Agricultural & Human Sciences	Grad Faculty	Agricultural & Extension Edu
Crosbie,Christopher James	Assoc Professor	English	Grad Faculty	English
Crossland,Cathy L.	Professor	TELS	Grad Faculty	TELS
Crouse,David A	Professor	Crop & Soil Sciences	Grad Faculty	Soil Science
Crow,Johnny L.	Emeritus Asst Professor	Sci, Tech, Engr & Math (STEM)	Grad Faculty	Sci, Tech, Engr & Math (STEM)
Crowley,Martha L.	Assoc Professor	Sociology & Anthropology	Grad Faculty	Sociology & Anthropology
Crozier,Carl R	Professor	Crop & Soil Sciences	Grad Faculty	Soil Science
Crumbley,Deidre H	Emeritus Professor	Interdisciplinary Studies	Grad Faculty	Interdisciplinary Studies
Cruse PhD,Glenn Paul	Asst Professor	Dept Molecular Biomedical Scie	Grad Faculty	Dept Molecular Biomedical Sci
Cryer-Coupet,Qiana	Asst Professor	Social Work	Grad Faculty	Social Work
Cubbage,Frederick Willis	Professor	For & Envir Res Acad Research	Grad Faculty	For & Envir Res Acad Research
Cubeta,Marc A	Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Culbreth Jr,Charles Thomas	Emeritus Distinguished Prof	Fitts Dept Indust & Syst Engr	Grad Faculty	Fitts Dept Indust & Syst Engr
Cullen,John Michael		Dept-Population,Health,Pathobi	Grad Faculty	
Cullen,John Michael	Emeritus Professor	Dept-Population,Health,Pathobi	Grad Faculty	Population Health&Pathobiology
Cullinan,Douglas A.	Professor	College Of Education	Grad Faculty	TELS
Cumbie,William P	Adjunct Asst Professor	For & Envir Res Acad Research	Affiliate Grad Faculty	For & Envir Res Acad Research
Cunningham,Joseph W.	Emeritus Professor	Psychology	Grad Faculty	Psychology
Cunningham,Mary K.	Assoc Professor	Philosophy & Religious Studies	Grad Faculty	Philosophy & Religious Studies
Cuomo,Jerome J	Distinguished Professor	Materials Science &Engineering	Grad Faculty	Materials Science &Engineering
Curington,Celeste	Asst Professor	Sociology & Anthropology	Grad Faculty	Sociology & Anthropology
Curley,Patrick Wilkie		The Science House-Sciences	Affiliate Grad Faculty	
Curley,Patrick Wilkie	Adjunct Asst Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Currie,Nancy Jane	Adjunct Assoc Professor	Fitts Dept Indust & Syst Engr	Affiliate Grad Faculty	Fitts Dept Indust & Syst Engr
Curtis,Patricia Ann	Professor	Prestage Poultry Science	Grad Faculty	Prestage Poultry Science
Curtis,Stephanie E.	Emeritus Professor	Biological Sciences	Grad Faculty	Biological Sciences
Cutts,Bethany Brooke	Assoc Professor	Parks, Recreation & Tourism Mg	Grad Faculty	Parks Recreation & Tourism Mg
Cwik,Paul	Teaching Professor	Economics-Poole COM	Affiliate Grad Faculty	Economics-Poole COM
Czaja,Ronald F	Emeritus Associate Professor	Sociology & Anthropology	Grad Faculty	Sociology & Anthropology
Dahl,Johannes Michael Leopold	Adjunct Asst Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Dahl,Jon	Adjunct Asst Professor	Nuclear Engineering	Affiliate Grad Faculty	Nuclear Engr
Dai,Huaiyu	Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Daley,Dennis M.	Professor	Public & International Affairs	Grad Faculty	Public & International Affairs
Danehower,David A.	Emeritus Associate Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Danek Burgess PhD,Kristina Stefanie		BTEC-Biomfg Training Ed Ctr	Affiliate Grad Faculty	
Daniel III,Louis Broadddus	Adjunct Asst Professor	Applied Ecology	Affiliate Grad Faculty	Applied Ecology
Daniele,Michael	Asst Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Daniels III,Harry Valentine	Professor	Dean's Office - CALS	Grad Faculty	Applied Ecology
Daniels,Karen E	Professor	Physics	Grad Faculty	Physics
Danielsen,Bartley R	Assoc Professor	Business Management-Poole COM	Grad Faculty	Business Management-Poole COM
Danielson,Leon E.	Emeritus Professor	Ag & Resource Economics	Grad Faculty	Ag & Resource Economics
Dannels,Deanna P	Professor	College Of Humanities & Soc SC	Grad Faculty	Communication
Danowitz,Mary Ann	Professor	College Of Education	Grad Faculty	ELPHD
Darhower,Mark Anthony	Assoc Professor	Foreign Languages And Literatu	Grad Faculty	Foreign Languages and Lit
Das,Anupam	Asst Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Daub,Margaret E.	Named Distinguished Professor	Plant and Microbial Biology	Grad Faculty	Plant and Microbial Biology
Daubert,Christopher R	Adjunct Professor	Food,Bioprocess & Nutrition Sc	Grad Faculty	Food,Bioprocess & Nutrition Sc
Davidian,Marie	Named Professor	Statistics	Grad Faculty	Statistics
Davidson,Michael G.	Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Davis Jr,Edward Willmore	Emeritus Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Davis PhD,Edward David	Research Assoc Professor	Physics	Grad Faculty	Physics
Davis,Adam C	Emeritus Associate Professor	Sociology & Anthropology	Grad Faculty	Sociology And Anthropology
Davis,Dennis Scott	Assoc Professor	TELS	Grad Faculty	TELS
Davis,Eric Lee	Named Distinguished Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Davis,Hawthorne A	Emeritus Associate Professor	Textile & Apparel, Technology	Grad Faculty	Textile & Apparel Tech & Mgmt
Davis,Jack Parker	Adjunct Professor	Food,Bioprocess & Nutrition Sc	Affiliate Grad Faculty	Food,Bioprocess & Nutrition Sc
Davis,Jeanine M.	Assoc Professor	Horticultural Science	Grad Faculty	Horticultural Science
Davis,Jennifer Lynn	Adjunct Assoc Professor	Dept-Population,Health,Pathobi	Affiliate Grad Faculty	Population Health&Pathobiology

Davis, Jerry M.	Emeritus Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Davis, K. Shannon	Emeritus Associate Professor	Mgmt, Innovation&Entrepreneur	Grad Faculty	Mgmt, Innovation & Entrepreneur
Davis, Lauren Marie Berrings	Adjunct Assoc Professor	Fitts Dept Indust & Syst Engr	Affiliate Grad Faculty	Fitts Dept Indust & Syst Engr
Davis, Meredith Joy	Emeritus Professor	Graphic & Industrial Design	Grad Faculty	Graphic & Industrial Design
Davis, Robert F.	Emeritus Named Professor	Materials Science & Engineering	Grad Faculty	Materials Science & Engineering
Davis, Tiffany Juanita	Adjunct Asst Professor	ELPHD	Affiliate Grad Faculty	ELPHD
Davis, William Rhett	Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Davis, William Robert	Emeritus Professor	Physics	Grad Faculty	Physics
Davis-Bauer, Heather A	Adjunct Assoc Professor	TELS	Affiliate Grad Faculty	TELS
Davis-Gardner, Angela Mackie	Emeritus Professor	English	Grad Faculty	English
Dawes, Gregory A.	Named Professor	Foreign Languages And Literatu	Grad Faculty	Foreign Languages and Lit
Dayton, Paul A	Professor	Biomedical Program - ENG	Grad Faculty	Biomedical Program-Engineering
De Gezelle, Jillian Marie	Teaching Asst Professor	Plant and Microbial Biology	Grad Faculty	Plant and Microbial Biology
De Los Reyes III, Francis Lajara	Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
DeBord, Karen B	Emeritus Professor	Agricultural & Human Sciences	Grad Faculty	Agricultural & Human Sciences
DeCarolis, Joseph F	Assoc Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
DeCoster, Stacy	Assoc Professor	Sociology & Anthropology	Grad Faculty	Sociology & Anthropology
DeCuir-Gunby, Jessica Theresa	Professor	TELS	Grad Faculty	TELS
DeFrancesco, Teresa C	Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
DeGrand, Alexander J	Emeritus Professor	History	Grad Faculty	History
DeHertogh, August A.	Emeritus Professor	Horticultural Science	Grad Faculty	Horticultural Science
DeJoy, Daniel A.	Emeritus Associate Professor	Communication	Grad Faculty	Communication
DeLuca, V. William		Sci, Tech, Engr & Math (STEM)	Grad Faculty	
DeLuca, V. William	Emeritus Associate Professor	Sci, Tech, Engr & Math (STEM)	Grad Faculty	Sci, Tech, Engr & Math (STEM)
DeMaster, David John	Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
DePerno, Christopher S	Professor	Fisheries and Wildlife Program	Grad Faculty	For & Envir Res Acad Research
DeSimone, Joseph M	Named Distinguished Professor	Chemical & Biomolecular Engr	Grad Faculty	Chemical & Biomolecular Engr.
DeSoucey, Michaela Anne	Assoc Professor	Sociology & Anthropology	Grad Faculty	Sociology & Anthropology
DeWoskin, Robert S	Adjunct Assoc Professor	Dept-Population, Health, Pathobi	Affiliate Grad Faculty	Population Health&Pathobiology
Deal, Earl L	Emeritus Professor	Forest Biomaterials	Grad Faculty	Extension-wood & Paper Science
Dean, Alexander G.	Assoc Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Dean, Gregg A	Professor	Dept Molecular Biomedical Scie	Grad Faculty	Dept Molecular Biomedical Sci
Dean, Lisa Louise	USDA Professor	Food, Bioprocess & Nutrition Sc	Grad Faculty	Food, Bioprocess & Nutrition Sc
Dean, Ralph A	Named Distinguished Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Degernes, Laurel A	Emeritus Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Deitz, Lewis L.	Emeritus Professor	Entomology & Plant Pathology	Grad Faculty	Entomology
Dekaney PhD, Christopher Matthew	Asst Professor	Dept Molecular Biomedical Scie	Grad Faculty	Dept Molecular Biomedical Sci
Delborne, Jason Aaron	Assoc Professor	For & Envir Res Acad Research	Grad Faculty	For & Envir Res Acad Research
Delcambre, Carla F	Teaching Asst Professor	Landscape Architecture	Affiliate Grad Faculty	Landscape Architecture
Delgado PhD, Cesar	Assoc Professor	Sci, Tech, Engr & Math (STEM)	Grad Faculty	Sci, Tech, Engr & Math (STEM)
Delk, Katherine	Adjunct Asst Professor	Dept of Clinical Sciences	Affiliate Grad Faculty	Dept of Clinical Sciences
Dellafave, L. Richard	Emeritus Professor	Sociology & Anthropology	Grad Faculty	Sociology & Anthropology
Deming, Margaret Elen	Professor	Doctor of Design	Grad Faculty	Landscape Architecture
DenHartog, Emiel A	Assoc Professor	Textile Engineering, Chemistry	Grad Faculty	Textile Engr Chemistry & Sci
Dennis, Robert G	Assoc Professor	Biomedical Program - ENG	Grad Faculty	Biomedical Program-Engineering
Denson, Cameron DeLeon	Assoc Professor	Sci, Tech, Engr & Math (STEM)	Grad Faculty	Sci, Tech, Engr & Math (STEM)
Denton, Brian	Adjunct Assoc Professor	Fitts Dept Indust & Syst Engr	Affiliate Grad Faculty	Fitts Dept Indust & Syst Engr
Desmarais, Sarah Louise	Assoc Professor	Ctr Fam & Community Engagement	Grad Faculty	Psychology
Despain, Jeffrey Scott	Assoc Professor	Foreign Languages And Literatu	Grad Faculty	Foreign Languages and Lit
Devetsikiotis, Mihail	Adjunct Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Devine Jr, Hugh A.	Emeritus Professor	Parks, Recreation & Tourism Mg	Grad Faculty	Parks Recreation & Tourism Mg
Devine, Genessa Marie	Lecturer	Mgmt, Innovation&Entrepreneur	Affiliate Grad Faculty	Business Management-Poole COM
Devorshak, Christina	Adjunct Asst Professor	Entomology & Plant Pathology	Affiliate Grad Faculty	Entomology & Plant Pathology
Dewey, Ralph E	Named Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Dewhirst, Mark W.	Adjunct Professor	Dept Molecular Biomedical Scie	Affiliate Grad Faculty	Dept Molecular Biomedical Sci
Diaz, Lope Max	Assoc Professor	Art and Design	Grad Faculty	Art and Design
Dickey, Elizabeth Carol	Professor	Materials Science & Engineering	Grad Faculty	Materials Science & Engineering
Dickey, Michael David	Named Professor	Chemical & Biomolecular Engr	Grad Faculty	Chemical & Biomolecular Engr.
Dicks, Robert S	Emeritus Associate Professor	English	Grad Faculty	English
Dickson, Gary W	Emeritus Professor	Business Management-Poole COM	Grad Faculty	Business Management-Poole COM
Diebold, Jeffrey Childress	Asst Professor	Public & International Affairs	Grad Faculty	Public & International Affairs
Dietrich, Joel Casey	Asst Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Dillard, Emmett Urcey	Emeritus Associate Professor	Animal Science	Grad Faculty	Animal Science
Ding, Huiling	Assoc Professor	English	Grad Faculty	English
Dinh, Nam Truc	Professor	Nuclear Engineering	Grad Faculty	Nuclear Engr
Dinku, Abay Gadisa	Research Asst Professor	Physics	Affiliate Grad Faculty	Physics
Ditto, William Lawrence	Professor	Physics	Grad Faculty	Physics
Diuguid, Katherine Ann		Art and Design	Grad Faculty	
Dixon, Darlene	Adjunct Assoc Professor	Dept Molecular Biomedical Scie	Affiliate Grad Faculty	Dept Molecular Biomedical Sci
Dixon, Karrie Gibson	Adjunct Asst Professor	ELPHD	Affiliate Grad Faculty	ELPHD
Dobrogosz, Walter J.	Emeritus Professor	Prestage Poultry Science	Grad Faculty	Microbiology
Dodsworth, Robin M	Professor	English	Grad Faculty	English
Doerr, Phillip David	Emeritus Professor	For & Envir Res Acad Research	Grad Faculty	Applied Ecology
Doherty, Colleen Jennifer	Asst Professor	Biochemistry	Grad Faculty	Biochemistry
Dole, John Martin	Professor	CALS - Academic Programs	Grad Faculty	Horticultural Science
Doll, Barbara A	Extension Associate Professor	Sea Grant Program	Grad Faculty	Biological And Agri Engr
Donaldson, Joseph Leonard	Asst Professor	Agricultural & Human Sciences	Grad Faculty	Agricultural & Human Sciences
Donaldson, Robert Alan	Emeritus Professor	Textile & Apparel, Technology	Grad Faculty	Textile & Apparel Tech & Mgmt
Dong, Jingyan	Assoc Professor	Fitts Dept Indust & Syst Engr	Grad Faculty	Fitts Dept Indust & Syst Engr
Dorgeloh, Werner Gunter	Adjunct Assoc Professor	For & Envir Res Acad Research	Affiliate Grad Faculty	For & Envir Res Acad Research
Dorman, David C	Professor	Dept Molecular Biomedical Scie	Grad Faculty	Dept Molecular Biomedical Sci
Doster, Joseph M.	Professor	Nuclear Engineering	Grad Faculty	Nuclear Engr

Dougherty, Daniel B.	Assoc Professor	Physics	Grad Faculty	Physics
Dow, Thomas A.	Named Distinguished Univ Prof	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Downs, Murray S.	Emeritus Professor	Exec Vice Chancellor & Provost	Grad Faculty	History
Doyle, Jon	Named Distinguished Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Drake, Mary Anne	Named Professor	Food, Bioprocess & Nutrition Sc	Grad Faculty	Food, Bioprocess & Nutrition Sc
Drake, Timothy Arthur	Asst Professor	ELPHD	Grad Faculty	ELPHD
Dreher, Kevin L	Adjunct Professor	Dept Molecular Biomedical Scie	Affiliate Grad Faculty	Dept Molecular Biomedical Sci
Dreher, Patrick A	Research Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Dretsch, Heather Johnson	Asst Professor	Business Management-Poole COM	Grad Faculty	Business Management-Poole COM
Drewes, Donald William	Emeritus Professor	Psychology	Grad Faculty	
Driscoll, Catherine M	Professor	Philosophy & Religious Studies	Grad Faculty	Philosophy & Religious Studies
Duan, Xiaolin	Asst Professor	History	Grad Faculty	History
Dubljevic, Veljko	Asst Professor	Philosophy & Religious Studies	Grad Faculty	Philosophy & Religious Studies
Duca, Alina Nicoleta	Teaching Professor	Mathematics	Affiliate Grad Faculty	Mathematics
Duckworth, Owen W	Professor	Crop & Soil Sciences	Grad Faculty	Soil Science
Ducoste, Joel	Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Dudley, Marc K.	Assoc Professor	English	Grad Faculty	English
Dudziak, Donald J.	Emeritus Professor	Nuclear Engineering	Grad Faculty	Nuclear Engr
Duel-Hallen, Alexandra	Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Duffy, Daniel James	Asst Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Dugba, Prince Noah	Adjunct Assoc Professor	Biological And Agricultural En	Affiliate Grad Faculty	Biological And Agri Engr
Duggins, Jonathan William	Teaching Asst Professor	Statistics	Grad Faculty	Statistics
Dunbar, Adria Shipp	Asst Professor	ELPHD	Grad Faculty	ELPHD
Dunn, Joseph C.	Emeritus Professor	Mathematics	Grad Faculty	Mathematics
Dunn, Patricia C	Professor	Agricultural & Human Sciences	Grad Faculty	4-H Youth Dev & Fam & Cons Sci
Dunn, Robert R.	Named Professor	Applied Ecology	Grad Faculty	Applied Ecology
Dunne PhD, Jeffrey Colin	Asst Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Dunning, Dianne	Clinical Assoc Professor	College Of Veterinary Medicine	Affiliate Grad Faculty	Dept of Clinical Sciences
Dunning, Rebecca Diane	Research Asst Professor	Horticultural Science	Affiliate Grad Faculty	Horticultural Science
Dunphy, Edward James		Crop & Soil Sciences	Grad Faculty	
Dur, Umut	Assoc Professor	Economics-Poole COM	Grad Faculty	Economics-Poole COM
Durant, Jack D.	Emeritus Professor	English	Grad Faculty	English
Dutta, Rudra	Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Dvorak, William Stephen	Emeritus Professor	CAMCORE-Cooperative	Grad Faculty	For & Envir Res Acad Research
Dye, Janice A	Adjunct Assoc Professor	Dept of Clinical Sciences	Affiliate Grad Faculty	Dept of Clinical Sciences
Dykstra, Michael Jack	Emeritus Research Professor	Dept-Population, Health, Pathobi	Grad Faculty	Population Health&Pathobiology
Dziak, Robert Paul	Adjunct Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Eapen, Jacob	Assoc Professor	Nuclear Engineering	Grad Faculty	Nuclear Engr
Early, Peter Joseph	Clinical Professor	Dept of Clinical Sciences	Affiliate Grad Faculty	Dept of Clinical Sciences
Earp, Julia B	Assoc Professor	Business Management-Poole COM	Grad Faculty	Business Management-Poole COM
Easley Jr, James E	Emeritus Professor	Ag & Resource Economics	Grad Faculty	Ag & Resource Economics
Easterling, David R	Adjunct Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Eaton, Mitchell J	Adjunct Asst Professor	Applied Ecology	Grad Faculty	Applied Ecology
Ebert, Kimberly Lynn	Assoc Professor	Sociology & Anthropology	Grad Faculty	Sociology & Anthropology
Echekki, Tarek	Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Eckerlin, Herbert Martin	Emeritus Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Edens, Frank W.	Professor	Prestage Poultry Science	Grad Faculty	Prestage Poultry Science
Eder, Brian K	Lecturer	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Edge, Billy L	Professor of the Practice	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Edgington, Cynthia Page	Teaching Asst Professor	Sci, Tech, Engr & Math (STEM)	Grad Faculty	Sci, Tech, Engr & Math (STEM)
Edmisten, Keith L	Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Edwards Jr, Jack Ray	Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Edwards, Eric Charles	Asst Professor	Ag & Resource Economics	Grad Faculty	Ag & Resource Economics
Edwards, Harriett C	Assoc Professor	Agricultural & Human Sciences	Grad Faculty	4-H Youth Dev & Fam & Cons Sci
Edwards, Linda McMurry	Emeritus Professor	History	Grad Faculty	History
Edwards, Michael B	Assoc Professor	Parks, Recreation & Tourism Mg	Grad Faculty	Parks Recreation & Tourism Mg
Efimenko, Kirill	Research Assoc Professor	Chemical & Biomolecular Engr	Affiliate Grad Faculty	Chemical & Biomolecular Engr.
Eggleston, David B	Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Eischen, Jeffrey W.	Assoc Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Eisemann, Joan	Professor	Animal Science	Grad Faculty	Animal Science
Eisen, Eugene	Emeritus Named Professor	Animal Science	Grad Faculty	Animal Science
Ekkad, Srinath Varadarajan	Named Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
El-Masry, Nadia A	Professor	Materials Science & Engineering	Grad Faculty	Materials Science & Engineering
El-Shafei, Ahmed Mohamed	Professor	Textile Engineering, Chemistry	Grad Faculty	Textile Engr Chemistry & Sci
El-Shiekh, Aly H	Emeritus Professor	Textile & Apparel, Technology	Grad Faculty	Textile & Apparel Tech & Mgmt
Elfenbein, Johanna Rebecca	Asst Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Elhanafi, Driss		BTEC-Biomfg Training Ed Ctr	Affiliate Grad Faculty	
Elkan, Gerald Hugh	Emeritus Professor	Microbiology	Grad Faculty	Microbiology
Elkan, Gerald Hugh	Emeritus Professor	Park Scholars	Grad Faculty	Microbiology
Ellington, Grant H	Extension Asst Professor	Biological And Agricultural En	Affiliate Grad Faculty	Biological And Agri Engr
Ellis, Alan Reid	Asst Professor	Social Work	Grad Faculty	Social Work
Ellis, Jesse Aaron	Assoc Professor	Business Management-Poole COM	Grad Faculty	Business Management-Poole COM
Ellison, Donald C	Emeritus Professor	Physics	Grad Faculty	Physics
Ellovich, Risa S.		Sociology & Anthropology	Grad Faculty	Sociology & Anthropology
Ellson, Richard Wayne	Lecturer	Mathematics	Affiliate Grad Faculty	Mathematics
Ellwood, Eric L.	Emeritus Professor	College of Natural Resources	Grad Faculty	Forest Biomaterials
Elting, Mary Williard	Asst Professor	Physics	Grad Faculty	Physics
Elvin, George	Assoc Professor	Architecture	Grad Faculty	Architecture
Ely, John F.	Emeritus Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Emanuel, Ryan E	Assoc Professor	For & Envir Res Acad Research	Grad Faculty	For & Envir Res Acad Research
Emery, Donald Allen	Emeritus Professor	Graduate School-Dean's Office	Grad Faculty	Crop & Soil Sciences
Emigh, Ted H.		Biological Sciences	Affiliate Grad Faculty	

Enck,William H	Assoc Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Ender,Kenneth Lyle	Professor of the Practice	ELPHD	Affiliate Grad Faculty	ELPHD
Enders,Jeffrey Richard		METRIC Mass Spectrometry	Affiliate Grad Faculty	
Enders,Jeffrey Richard	Adjunct Research Assistant Pro	Biological Sciences	Affiliate Grad Faculty	Biological Sciences
Endicott,Ronald P	Assoc Professor	Philosophy & Religious Studies	Grad Faculty	Philosophy & Religious Studies
Engell,Miles Dean	Teaching Assoc Professor	Biological Sciences	Affiliate Grad Faculty	Biological Sciences
English,David J	Adjunct Asst Professor	ELPHD	Affiliate Grad Faculty	ELPHD
Ensign,Scott Howard	Adjunct Asst Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Erchul,William P.	Emeritus Professor	Psychology	Grad Faculty	
Erdim,Burak	Asst Professor	Architecture	Grad Faculty	Architecture
Erickson,Edward W.	Emeritus Professor	Economics-Poole COM	Grad Faculty	Economics-Poole COM
Eroglu,Abdulkirim	Asst Professor	Kannapolis Research	Grad Faculty	Biochemistry
Esbenshade,Kenneth L.	Professor	Animal Science	Grad Faculty	Animal Science
Escuti,Michael James	Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Eseryel,Deniz	Assoc Professor	TELS	Grad Faculty	TELS
Esposito PhD,Debora A.	Asst Professor	Kannapolis Research	Grad Faculty	Animal Science
Estes,Edmund A.	Emeritus Professor	Ag & Resource Economics	Grad Faculty	Ag & Resource Economics
Estes,Patricia A	Research Assoc Professor	Biological Sciences	Grad Faculty	Biological Sciences
Etherton,Brian John	Adjunct Asst Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Eun,Do Young	Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Evans Jr,Robert O	Emeritus Professor	Biological And Agricultural En	Grad Faculty	Biological And Agri Engr
Evans,Robert Joseph	Teaching Assoc Professor	Electrical & Computer Engr.	Affiliate Grad Faculty	Electrical & Computer Engr.
Evans,Timothy Matthew	Adjunct Assoc Professor	Civil Const & Environ Engineer	Affiliate Grad Faculty	Civil, Const & Env Engineering
Everman,Wesley J	Assoc Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Eward,William Curtis	Adjunct Asst Professor	Dept of Clinical Sciences	Affiliate Grad Faculty	
Fackler,Paul L.	Professor	Ag & Resource Economics	Grad Faculty	Ag & Resource Economics
Fahrenholz,Adam Charles	Asst Professor	Prestage Poultry Science	Grad Faculty	Prestage Poultry Science
Fair,Barbara	Assoc Professor	Horticultural Science	Grad Faculty	Horticultural Science
Faircloth,Susan C	Adjunct Professor	ELPHD	Grad Faculty	ELPHD
Falk,Elisabeth Streit	Teaching Asst Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Falter,Michelle Marie	Asst Professor	TELS	Grad Faculty	TELS
Fang,Shu-Cherng	Named Professor	Fitts Dept Indust & Syst Engr	Grad Faculty	Fitts Dept Indust & Syst Engr
Fang,Tiegang	Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Fang,Xiaolei	Asst Professor	Fitts Dept Indust & Syst Engr	Grad Faculty	Fitts Dept Indust & Syst Engr
Fantz,Paul R.	Emeritus Professor	Horticultural Science	Grad Faculty	Horticultural Science
Farin,Charlotte E	Professor	Animal Science	Grad Faculty	Animal Science
Farkas,Brian E	Adjunct Professor	Food,Bioprocess & Nutrition Sc	Affiliate Grad Faculty	Food,Bioprocess & Nutrition Sc
Farrier,Maurice H.	Emeritus Professor	Entomology & Plant Pathology	Grad Faculty	Entomology
Fasina,Yewande O.	Adjunct Asst Professor	Prestage Poultry Science	Affiliate Grad Faculty	Prestage Poultry Science
Fathi,Yahya	Professor	Fitts Dept Indust & Syst Engr	Grad Faculty	Fitts Dept Indust & Syst Engr
Faulkner,Gary Doyle	Emeritus Associate Professor	Mathematics	Grad Faculty	Mathematics
Faulkner,Valerie Ness	Teaching Assoc Professor	TELS	Grad Faculty	Elementary Education
Favorite,Jeffrey Alan	Adjunct Professor	Nuclear Engineering	Affiliate Grad Faculty	Nuclear Engr
Favorov,Oleg V	Research Assoc Professor	Biomedical Program - ENG	Grad Faculty	Biomedical Program-Engineering
Fedkiw,Peter S.	Professor	Chemical & Biomolecular Engr	Grad Faculty	Chemical & Biomolecular Engr.
Fedukovich,Casie J	Assoc Professor	English	Grad Faculty	English
Feeny,Thomas P.	Professor	Foreign Languages And Literatu	Grad Faculty	Foreign Languages and Lit
Felder,Richard M.	Emeritus Named Professor	Chemical & Biomolecular Engr	Grad Faculty	Chemical & Biomolecular Engr.
Fell,Harrison George	Assoc Professor	Ag & Resource Economics	Grad Faculty	Ag & Resource Economics
Fellner,Vivek	Professor	Animal Science	Grad Faculty	Animal Science
Felts,James Vernon	Adjunct Asst Professor	Prestage Poultry Science	Affiliate Grad Faculty	Prestage Poultry Science
Feng,Jing	Assoc Professor	Psychology	Grad Faculty	Psychology
Fenn,Molly A.	Teaching Professor	Mathematics	Affiliate Grad Faculty	Mathematics
Fenton,Suzanne Elizabeth	Adjunct Assoc Professor	Dept-Population,Health,Pathobi	Grad Faculty	Population Health&Pathobiology
Fenton,Suzanne Elizabeth	Adjunct Asst Professor	Biological Sciences	Grad Faculty	Biological Sciences
Ferguson II,Stephen Clifford	Assoc Professor	Philosophy & Religious Studies	Grad Faculty	Philosophy & Religious Studies
Ferguson,Scott M	Assoc Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Ferket,Peter R.	Named Distinguished Professor	Prestage Poultry Science	Grad Faculty	Prestage Poultry Science
Fernandes,April Dawn	Asst Professor	Sociology & Anthropology	Grad Faculty	Sociology & Anthropology
Fernandez,Gina E	Professor	Horticultural Science	Grad Faculty	Horticultural Science
Ferreira,Davis Fernandes		Biochemistry	Affiliate Grad Faculty	
Ferreira,Davis Fernandes	Adjunct Assoc Professor	Biochemistry	Affiliate Grad Faculty	Biochemistry
Ferrier,Brad S	Adjunct Assoc Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Ferruzzi,Mario Giovanni	Professor	Kannapolis Research	Grad Faculty	Food,Bioprocess & Nutrition Sc
Ferzli,Miriam G	Teaching Professor	Biological Sciences	Grad Faculty	Biological Sciences
Figuers,Carol C	Adjunct Asst Professor	ELPHD	Affiliate Grad Faculty	Adult & Higher Education
Finch III,Arthur Eaton	Adjunct Professor	Psychology	Affiliate Grad Faculty	Psychology
Findley,Daniel J.	Adjunct Asst Professor	Institute For Trans Research &	Affiliate Grad Faculty	Civil, Const & Env Engineering
Fiori,Giuseppe	Assoc Professor	Economics-Poole COM	Grad Faculty	Economics-Poole COM
Fischer,Jesse Robert	Research Asst Professor	Applied Ecology	Grad Faculty	Applied Ecology
Fish,Richard E	Emeritus Associate Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Fisher,Douglas	Emeritus Professor	Economics-Poole COM	Grad Faculty	Economics-Poole COM
Fisher,John S.	Emeritus Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Fisher,Loren Ray	Named Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Fisher,Matthew Bruce	Asst Professor	Biomedical Program - ENG	Grad Faculty	Biomedical Program-Engineering
Fites,Roger C.	Emeritus Professor	Plant and Microbial Biology	Grad Faculty	Plant and Microbial Biology
Fitzgerald,Patrick J	Assoc Professor	Art and Design	Grad Faculty	Art and Design
Fitzpatrick,David Charles	Teaching Asst Professor	Social Work	Affiliate Grad Faculty	Social Work
Flammer,Keven	Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Flath,David Joseph	Emeritus Professor	Economics-Poole COM	Grad Faculty	Economics-Poole COM
Fleener,Mattie Jayne	Professor	ELPHD	Grad Faculty	ELPHD
Fleisher,Lloyd Norman	Emeritus Professor	Dept Molecular Biomedical Scie	Grad Faculty	Dept Molecular Biomedical Sci

Fleming, Henry Pridden	Emeritus USDA Prof	Food, Bioprocess & Nutrition Sc	Grad Faculty	Food, Bioprocess & Nutrition Sc
Fleming, Jean E.	Adjunct Asst Professor	ELPHD	Affiliate Grad Faculty	Adult & Higher Education
Fleming, Joy Morgan	Asst Professor	Agricultural & Human Sciences	Grad Faculty	Agricultural & Human Sciences
Fletcher Jr, Oscar J		Dept-Population, Health, Pathobi	Grad Faculty	
Fletcher Jr, Oscar J	Emeritus Professor	Dept-Population, Health, Pathobi	Grad Faculty	Population Health&Pathobiology
Flickinger, Michael Carl	Emeritus Professor	Chemical & Biomolecular Engr	Grad Faculty	Chemical & Biomolecular Engr.
Flinchum, Russell Alan	Assoc Professor	Graphic & Industrial Design	Grad Faculty	Graphic & Industrial Design
Flink, Charles Albert		Landscape Architecture	Grad Faculty	
Flores, Kevin Bryant	Asst Professor	Mathematics	Grad Faculty	Mathematics
Flowers IV, William Lucas	Named Professor	Animal Science	Grad Faculty	Animal Science
Flowers, James Lee	Emeritus Professor	Agricultural & Human Sciences	Grad Faculty	Agricultural & Human Sciences
Flowers, James R	Clinical Professor	Dept-Population, Health, Pathobi	Affiliate Grad Faculty	Population Health&Pathobiology
Floyd, Brian Allan	Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Floyd, Myron F	Professor	Parks, Recreation & Tourism Mg	Grad Faculty	Parks Recreation & Tourism Mg
Fodor, Ronald Victor	Emeritus Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Fogle, Callie Anne	Clinical Assoc Professor	Dept of Clinical Sciences	Affiliate Grad Faculty	Dept of Clinical Sciences
Fogle, Jonathan E.	Assoc Professor	Dept-Population, Health, Pathobi	Grad Faculty	Population Health&Pathobiology
Fogleman, April	Assoc Professor	Food, Bioprocess & Nutrition Sc	Grad Faculty	Food, Bioprocess & Nutrition Sc
Fonteno III, William Carl	Professor	Horticultural Science	Grad Faculty	Horticultural Science
Foote, Vincent	Emeritus Professor	Industrial Design	Grad Faculty	Industrial Design
Ford, Ericka N	Asst Professor	Textile Engineering, Chemistry	Grad Faculty	Textile Engr Chemistry & Sci
Ford, Richard Banbury	Emeritus Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Forest, M. Gregory	Professor	Biomedical Program - ENG	Grad Faculty	Biomedical Program-Engineering
Fornaro, Robert Joseph	Emeritus Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Fornes, Raymond Earl	Research Professor	College of Sciences - Dean	Grad Faculty	Physics
Fornes, Raymond Earl	Emeritus Professor	College of Sciences - Dean	Grad Faculty	
Forrester, Jodi Anne	Asst Professor	For & Envir Res Acad Research	Grad Faculty	For & Envir Res Acad Research
Fortner, Brand Irving	Teaching Professor	Physics	Grad Faculty	Physics
Foster, Derek M.	Assoc Professor	Dept-Population, Health, Pathobi	Grad Faculty	Population Health&Pathobiology
Foster, Lori Lea	Professor	Psychology	Grad Faculty	Psychology
Fountain, John Crothers	Research Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Fountain, John Crothers	Emeritus Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Fourches, Denis	Asst Professor	Chemistry	Grad Faculty	Chemistry
Fox, Andrew Alan	Assoc Professor	Landscape Architecture	Grad Faculty	Landscape Architecture
Fox, Barbara J.	Emeritus Professor	TELS	Grad Faculty	TELS
Fox, Garey Alton	Professor	Biological And Agricultural En	Grad Faculty	Biological And Agri Engr
Fralix, Michael Thomas	Adjunct Assoc Professor	Textile & Apparel, Technology	Affiliate Grad Faculty	Textile & Apparel Tech & Mgmt
Frampton Jr, Lewis John	Emeritus Professor	For & Envir Res Acad Research	Grad Faculty	For & Envir Res Acad Research
Frank, Steven D	Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Franke, John E.	Emeritus Professor	Mathematics	Grad Faculty	Mathematics
Franklin, E. Carlyle	Emeritus Professor	For & Envir Res Acad Research	Grad Faculty	For & Envir Res Acad Research
Franks, Robert Graham	Professor	Plant and Microbial Biology	Grad Faculty	Plant and Microbial Biology
Franz, Jason Roy	Asst Professor	Biomedical Program - ENG	Grad Faculty	Biomedical Program-Engineering
Franzen, Stefan	Professor	Chemistry	Grad Faculty	Chemistry
Franzluebbbers, Alan J	USDA Professor	Crop & Soil Sciences	Grad Faculty	Soil Science
Franzon, Paul D.	Distinguished Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Frederick, Douglas J.	Professor	For & Envir Res Acad Research	Grad Faculty	For & Envir Res Acad Research
Freeh, Vincent W	Assoc Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Freeman, Harold S.	Named Professor	Textile Engineering, Chemistry	Grad Faculty	Textile Engr Chemistry & Sci
Freitag, Sandra B	Teaching Assoc Professor	History	Affiliate Grad Faculty	History
Frey, Gregory E	Adjunct Asst Professor	For & Envir Res Acad Research	Affiliate Grad Faculty	For & Envir Res Acad Research
Frey, Henry C	Distinguished University Prof	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Freytes PhD, Donald Osvaldo	Asst Professor	Biomedical Program - ENG	Grad Faculty	Biomedical Program-Engineering
Friend, Craig T	Professor	History	Grad Faculty	History
Frohlich, Carla	Assoc Professor	Physics	Grad Faculty	Physics
Frohlich, Flavio	Adjunct Assoc Professor	Electrical & Computer Engr.	Affiliate Grad Faculty	Electrical & Computer Engr.
Frye, Bobbie Jean	Adjunct Asst Professor	ELPHD	Affiliate Grad Faculty	ELPHD
Fuller, Frederick J.	Professor	Dept-Population, Health, Pathobi	Grad Faculty	Population Health&Pathobiology
Fulp, Ronald O.	Professor	Mathematics	Grad Faculty	Mathematics
Fulp, Ronald O.	Lecturer	Mathematics	Grad Faculty	Mathematics
Fulp, Ronald O.	Emeritus Professor	Mathematics	Grad Faculty	Mathematics
Funkhouser, Edward T.	Emeritus Associate Professor	Communication	Grad Faculty	Communication
Fusarelli, Bonnie C	Professor	ELPHD	Grad Faculty	ELPHD
Fusarelli, Lance D.	Professor	ELPHD	Grad Faculty	ELPHD
Fyfe, Margaret Simon	Assoc Professor	English	Grad Faculty	English
Fyfe, Paul Camm	Assoc Professor	English	Grad Faculty	English
Gabr, Mohammed Awad	Distinguished Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Gadsby, John E.	Professor	Dept Molecular Biomedical Scie	Grad Faculty	Dept Molecular Biomedical Sci
Galik, Christopher	Assoc Professor	Public & International Affairs	Grad Faculty	Public & International Affairs
Gallagher, Victoria J	Professor	Communication	Grad Faculty	Communication
Gallippi, Caterina M	Asst Professor	Biomedical Program - ENG	Grad Faculty	Biomedical Program-Engineering
Gamcsik, Michael	Assoc Professor	Biomedical Program - ENG	Grad Faculty	Biomedical Program-Engineering
Gannon, Travis W	Assoc Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Gao, Wei	Asst Professor	Textile Engineering, Chemistry	Grad Faculty	Textile Engr Chemistry & Sci
Garcia Jr, Reynaldo R	Professor of the Practice	ELPHD	Grad Faculty	ELPHD
Garcia Menendez, Fernando	Asst Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Garcia, Kevin	Asst Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Gardner, Marian-Elizabeth B.	Teaching Professor	Biological Sciences	Affiliate Grad Faculty	Biological Sciences
Gardner, Randolph G.	Emeritus Professor	Horticultural Science	Grad Faculty	Horticultural Science
Gardner, Sarah Y.		Dept of Clinical Sciences	Grad Faculty	
Gardner, Sarah Y.	Emeritus Associate Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Gardner, Terrence G	Asst Professor	Crop & Soil Sciences	Grad Faculty	Soil Science

Garland,Genevieve Marie	Adjunct Assoc Professor	Textile & Apparel, Technology	Affiliate Grad Faculty	Textile & Apparel Tech & Mgmt
Garland,Genevieve Marie	Research Asst Professor	Ofc of Research & Innovation	Affiliate Grad Faculty	Textile Engr Chemistry & Sci
Garlich,Jimmy Dale	Emeritus Professor	Prestage Poultry Science	Grad Faculty	Prestage Poultry Science
Garoutte,Dennis E.	Emeritus Associate Professor	Mathematics	Grad Faculty	Mathematics
Garrigan,Shelley E.	Assoc Professor	Foreign Languages And Literatu	Grad Faculty	Foreign Languages and Lit
Garson,George D	Professor	Public & International Affairs	Grad Faculty	Public & International Affairs
Garval,Michael D	Professor	Foreign Languages And Literatu	Grad Faculty	Foreign Languages and Lit
Gasso,Santiago	Adjunct Asst Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Gates,Terry Allen	Lecturer	Biological Sciences	Grad Faculty	Biological Sciences
Gayles,Joy Gaston	Professor	ELPHD	Grad Faculty	ELPHD
Gebreyes,Wondwossen A	Assoc Professor	Dept-Population,Health,Pathobi	Grad Faculty	Population Health&Pathobiology
Gehringer,Edward F.	Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Gelley,Ora	Assoc Professor	English	Grad Faculty	English
Genereux,David Paul	Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Genzer,Jan	Distinguished Professor	Chemical & Biomolecular Engr	Grad Faculty	Chemical & Biomolecular Engr.
Gerard,Mathew P.	Teaching Professor	Dept Molecular Biomedical Scie	Affiliate Grad Faculty	Dept of Clinical Sciences
Gerig,Thomas Michael	Emeritus Professor	Statistics	Grad Faculty	Statistics
Gernat,Abel G.	Adjunct Asst Professor	Prestage Poultry Science	Affiliate Grad Faculty	Prestage Poultry Science
Getsinger,Kurt D	Adjunct Professor	Crop & Soil Sciences	Affiliate Grad Faculty	Crop & Soil Sciences
Getzen,Forrest W	Emeritus Professor	Chemistry	Grad Faculty	Chemistry
Ghashghaei,Troy	Professor	Dept Molecular Biomedical Scie	Grad Faculty	Dept Molecular Biomedical Sci
Ghiladi,Reza A	Assoc Professor	Chemistry	Grad Faculty	Chemistry
Ghosh,Sujit K	Professor	Statistics	Grad Faculty	Statistics
Ghosh,Tushar K.	Professor	Textile Engineering, Chemistry	Grad Faculty	Textile Engr Chemistry & Sci
Ghoshal,Subhashis	Distinguished Professor	Statistics	Grad Faculty	Statistics
Gibson,James L	Adjunct Professor	Horticultural Science	Affiliate Grad Faculty	Horticultural Science
Gilbert,John H.	Emeritus Associate Professor	Public & International Affairs	Grad Faculty	Public & International Affairs
Gilger,Brian C	Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Gill,Carolina	Assoc Professor	Graphic & Industrial Design	Grad Faculty	Graphic & Industrial Design
Gillan PhD,Douglas John	Professor	Psychology	Grad Faculty	Psychology
Gilleskie,Gary Louis	Teaching Assoc Professor	BTEC-Biomfg Training Ed Ctr	Grad Faculty	Chemical & Biomolecular Engr.
Gilliam PhD,James		Biological Sciences	Grad Faculty	
Gilliam,James W.	Emeritus Named Distng'd Prof	Crop & Soil Sciences	Grad Faculty	Soil Science
Gilligan,John G.	Distinguished University Prof	College Of Engineering-dean's	Grad Faculty	Nuclear Engr
Gilmartin,David P.	Named Professor	History	Grad Faculty	History
Gilmour,Matthew Ian	Adjunct Asst Professor	Dept-Population,Health,Pathobi	Affiliate Grad Faculty	Dept Microbiology Path & Para
Jimeno,Isabel M	Professor	Dept-Population,Health,Pathobi	Grad Faculty	Population Health&Pathobiology
Ginn,George Warren	Teaching Asst Professor	Graphic & Industrial Design	Affiliate Grad Faculty	Graphic & Industrial Design
Giraudel,Jerome M	Adjunct Asst Professor	Dept-Population,Health,Pathobi	Affiliate Grad Faculty	Population Health&Pathobiology
Glass Jr,Joseph Conrad	Emeritus Professor	Adult & Higher Education	Grad Faculty	Adult & Higher Education
Glisson Jr,Tildon H	Emeritus Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Godfrey,A. Blanton	Named Distinguished Univ Prof	Textile & Apparel, Technology	Grad Faculty	Textile & Apparel Tech & Mgmt
Godwin,John R	Professor	Biological Sciences	Grad Faculty	Biological Sciences
Gold,Harvey J.	Emeritus Professor	Statistics	Grad Faculty	Statistics
Goldberg,Richard L.	Research Assoc Professor	Biomedical Program - ENG	Grad Faculty	Biomedical Program-Grad Appts
Goldfarb,Barry	Emeritus Professor	For & Envir Res Acad Research	Grad Faculty	For & Envir Res Acad Research
Goldstein,Irving S.	Emeritus Professor	Forest Biomaterials	Grad Faculty	Forest Biomaterials
Goller,Carlos Christopher	Teaching Asst Professor	Biological Sciences	Affiliate Grad Faculty	Biological Sciences
Golub,Robert	Professor	Physics	Grad Faculty	Physics
Gomez,Joseph A.	Emeritus Professor	English	Grad Faculty	English
Gomez,Shawn M.	Asst Professor	Biomedical Program - ENG	Grad Faculty	Biomedical Program-Engineering
Gonzalez,Liara M	Asst Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Gonzalez,Maria Eugenia	Asst Professor	Agricultural & Human Sciences	Grad Faculty	Agricultural & Human Sciences
Gonzalez,Ronalds Wilfredo	Asst Professor	Forest Biomaterials	Grad Faculty	Forest Biomaterials
Gonzalez-Sullivan,Leila	Adjunct Professor	Adult & Higher Education	Affiliate Grad Faculty	ELPHD
Goode,Larry Richard	Adjunct Assoc Professor	Civil Const & Environ Engineer	Affiliate Grad Faculty	Civil, Const & Env Engineering
Goodell,Lora Suzanne	Assoc Professor	Food,Bioprocess & Nutrition Sc	Grad Faculty	Food,Bioprocess & Nutrition Sc
Goodman,Major M.	Distinguished University Prof	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Goodnight,James Howard	Adjunct Professor	Statistics	Affiliate Grad Faculty	Statistics
Goodwin,Barry K.	Named Distinguished Professor	Ag & Resource Economics	Grad Faculty	Ag & Resource Economics
Goodwin,Jean Elizabeth	Named Distinguished Professor	Communication	Grad Faculty	Communication
Gookin PhD,Jody L	Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Gopalarithnam,Ashok	Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Gordon PhD,Marsha Gabrielle	Professor	English	Grad Faculty	English
Gordon,Tammrah S	Professor	History	Grad Faculty	History
Gordy,Claire Lee	Teaching Asst Professor	Biological Sciences	Affiliate Grad Faculty	Biological Sciences
Gorga,Russell E.	Professor	Textile Engineering, Chemistry	Grad Faculty	Textile Engr Chemistry & Sci
Gorman,Christopher B	Professor	Chemistry	Grad Faculty	Chemistry
Goshe,Michael B.	Assoc Professor	Biochemistry	Grad Faculty	Biochemistry
Gosse,John Charles	Adjunct Assoc Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Gotwalt,Christopher M	Adjunct Professor	Statistics	Affiliate Grad Faculty	Statistics
Gould,Christopher Robert	Lecturer	Physics	Grad Faculty	Physics
Gould,Christopher Robert	Emeritus Professor	Physics	Grad Faculty	Physics
Gould,Fred L.	Named Distinguished Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Gould,Richard David	Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Govoni,John Jeffrey	Adjunct Professor	Applied Ecology	Affiliate Grad Faculty	Applied Ecology
Gower,Stith Thompson	Professor	For & Envir Res Acad Research	Grad Faculty	For & Envir Res Acad Research
Grabow,Garry L	Emeritus Professor	Biological And Agricultural En	Grad Faculty	Biological And Agri Engr
Grace,Landon	Asst Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Gracz,Hanna	Research Assoc Professor	Biochemistry	Grad Faculty	Biochemistry
Grady,Perry L.	Emeritus Professor	Textile Engineering, Chemistry	Grad Faculty	Textile Engr Chemistry & Sci
Graham,Stephen Edward	Lecturer	For & Envir Res Acad Research	Affiliate Grad Faculty	For & Envir Res Acad Research

Grainger, John J.	Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Granlund, Kenneth	Asst Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Grant, Christine S.	Professor	College Of Engineering-dean's	Grad Faculty	Chemical & Biomolecular Engr.
Grant, Edward	Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Grant, William Cullen	Emeritus Professor	Biological Sciences	Affiliate Grad Faculty	Biological Sciences
Grasso, Maureen	Professor	Textile & Apparel, Technology	Grad Faculty	Textile & Apparel Tech & Mgmt
Graves, Alexandria K	Assoc Professor	Crop & Soil Sciences	Grad Faculty	Soil Science
Gray, DeLeon L	Assoc Professor	TELS	Grad Faculty	TELS
Gray, Denis O.	Professor	Psychology	Grad Faculty	Psychology
Gray, Denis O.	Emeritus Professor	Psychology	Grad Faculty	Psychology
Gray, Joshua Michael	Asst Professor	For & Envir Res Acad Research	Grad Faculty	For & Envir Res Acad Research
Gray, Kent A	Adjunct Asst Professor	Animal Science	Affiliate Grad Faculty	Animal Science
Green Jr, James T	Emeritus Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Green, David Lindsay	Adjunct Assoc Professor	Nuclear Engineering	Affiliate Grad Faculty	Nuclear Engr
Green, David Patrick	Emeritus Professor	Food, Bioprocess & Nutrition Sc	Grad Faculty	Food, Bioprocess & Nutrition Sc
Green, Gary Martin	Adjunct Asst Professor	ELPHD	Affiliate Grad Faculty	ELPHD
Green, Matthew Piron	Asst Professor	Physics	Grad Faculty	Physics
Greenberg, Cathryn Hoben	Adjunct Professor	For & Envir Res Acad Research	Affiliate Grad Faculty	For & Envir Res Acad Research
Greene, Donna Gayle	Adjunct Asst Professor	ELPHD	Affiliate Grad Faculty	ELPHD
Greene, Steven H	Professor	Public & International Affairs	Grad Faculty	Public & International Affairs
Greenstein, Theodore Neuman	Professor	Sociology & Anthropology	Grad Faculty	Sociology & Anthropology
Gregory, James D	Emeritus Professor	For & Envir Res Acad Research	Grad Faculty	For & Envir Res Acad Research
Gregory, Max E.	Emeritus Professor	Food, Bioprocess & Nutrition Sc	Grad Faculty	Food, Bioprocess & Nutrition Sc
Gremaud, Pierre Alain	Professor	Mathematics	Grad Faculty	Mathematics
Grennes, Thomas J.	Emeritus Professor	Economics-Poole COM	Grad Faculty	Economics-Poole COM
Grieshop, Andrew P	Assoc Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Grifenhagen, Jill Freiberg	Asst Professor	TELS	Grad Faculty	Elementary Education
Griffin Sr, Ervin Verome	Adjunct Asst Professor	ELPHD	Affiliate Grad Faculty	ELPHD
Griffin, Clifford E	Assoc Professor	Public & International Affairs	Grad Faculty	Public & International Affairs
Griffis, Dieter P.	Research Assoc Professor	Textile Engineering, Chemistry	Affiliate Grad Faculty	Materials Science & Engineering
Griffith, Emily Hohmeister	Research Assoc Professor	Statistics	Grad Faculty	Statistics
Griggs, John Richard	Emeritus Teaching Assoc Prof	Mathematics	Affiliate Grad Faculty	Mathematics
Grimes, Jesse Lee	Professor	Prestage Poultry Science	Grad Faculty	Prestage Poultry Science
Grimmett, Marc Anderson	Assoc Professor	ELPHD	Grad Faculty	ELPHD
Grimwood, James M.	Professor	English	Grad Faculty	English
Grindem, Carol B.	Emeritus Professor	Dept-Population, Health, Pathobi	Grad Faculty	Population Health&Pathobiology
Grochowski, Colleen O'Connor	Adjunct Asst Professor	ELPHD	Affiliate Grad Faculty	Adult & Higher Education
Gross, Charlotte	Emeritus Professor	English	Grad Faculty	English
Gross, Harry D.	Emeritus Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Gross, Kevin	Professor	Statistics	Grad Faculty	Statistics
Gross, Ruth Vera	Professor	Foreign Languages And Literatu	Grad Faculty	Foreign Languages and Lit
Grossfeld, Robert M.	Emeritus Professor	Applied Ecology	Grad Faculty	Applied Ecology
Grossman, Kathryn Mary	Asst Professor	Sociology & Anthropology	Grad Faculty	Sociology & Anthropology
Grove, Thurman L	Emeritus Professor	Applied Ecology	Grad Faculty	Applied Ecology
Gruber-Hollingshead, Erika Jane	Asst Professor	Dept-Population, Health, Pathobi	Grad Faculty	Population Health&Pathobiology
Gruehn, Daniel	Assoc Professor	Psychology	Grad Faculty	Psychology
Gruen, Margaret Elizabeth	Asst Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Gruenden, Amy Michele	Named Professor	Plant and Microbial Biology	Grad Faculty	Plant and Microbial Biology
Gu, Xiaohui	Assoc Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Gu, Zhen	Adjunct Assoc Professor	Biomedical Program - ENG	Grad Faculty	Biomedical Program-Engineering
Guarnieri, Charles Richard		Materials Science & Engineering	Affiliate Grad Faculty	
Gubbins, Keith E	Named Distinguished Univ Prof	Chemical & Biomolecular Engr	Grad Faculty	Chemical & Biomolecular Engr.
Guddati, Murthy N.	Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Guinness, Joseph	Adjunct Asst Professor	Statistics Grad & Temp	Grad Faculty	Statistics
Guiteras, Raymond Patrick	Asst Professor	Ag & Resource Economics	Grad Faculty	Ag & Resource Economics
Gulling, Dana Kathleen	Assoc Professor	Architecture	Grad Faculty	Architecture
Gumpertz, Marcia Lynn	Professor	Statistics	Grad Faculty	Statistics
Gundogdu, Kenan	Assoc Professor	Physics	Grad Faculty	Physics
Gunter, Christopher	Professor	Horticultural Science	Grad Faculty	Horticultural Science
Gupta, Abhinav	Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Gupta, Ajaya K.	Emeritus Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Gupta, Bhupender S.	Emeritus Professor	Textile Engineering, Chemistry	Grad Faculty	Textile Engr Chemistry & Sci
Gupta, Rachana Ashok	Teaching Assoc Professor	Electrical & Computer Engr.	Affiliate Grad Faculty	Electrical & Computer Engr.
Gurgel, Patrick V	Adjunct Asst Professor	Chemical & Biomolecular Engr	Affiliate Grad Faculty	Chemical & Biomolecular Engr.
Gusmini, Gabriele	Adjunct Asst Professor	Horticultural Science	Affiliate Grad Faculty	Horticultural Science
Gustke, Larry Douglas	Emeritus Associate Professor	Parks, Recreation & Tourism Mg	Grad Faculty	Parks Recreation & Tourism Mg
Guvenc, Ismail	Assoc Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Guy, James S.	Professor	Dept-Population, Health, Pathobi	Grad Faculty	Population Health&Pathobiology
Gwyer, Janet Lynn	Adjunct Professor	ELPHD	Affiliate Grad Faculty	ELPHD
Haase, David G.	Professor	Physics	Grad Faculty	Physics
Haddad, Nicholas M	Adjunct Professor	Applied Ecology	Grad Faculty	Applied Ecology
Haenn, Nora M	Assoc Professor	Sociology & Anthropology	Grad Faculty	Sociology & Anthropology
Hagler, Winston Murry	Emeritus Professor	Prestage Poultry Science	Grad Faculty	Prestage Poultry Science
Haider, Mansoor Abbas	Professor	Mathematics	Grad Faculty	Mathematics
Haigler, Candace Hope	Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Hain, Ernst Frederick	Lecturer	Ctr. for Geospatial Analytics	Affiliate Grad Faculty	For & Envir Res Acad Research
Hain, Fred P.	Emeritus Professor	Entomology & Plant Pathology	Grad Faculty	Entomology
Hakovirta, Marko Juhani	Professor	Forest Biomaterials	Grad Faculty	Forest Biomaterials
Halberstadt, Amy gene	Professor	Psychology	Grad Faculty	Psychology
Hale, Francis J.	Emeritus Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Hale, Scott A	Professor	Biological And Agricultural En	Grad Faculty	Biological And Agri Engr
Hall Jr, Charles Edward	Assoc Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr

Hall,Alastair R.	Professor	Economics-Poole COM	Grad Faculty	Economics-Poole COM
Hall,Carol K.	Named Distinguished Univ Prof	Chemical & Biomolecular Engr	Grad Faculty	Chemical & Biomolecular Engr.
Hall,George L.	Emeritus Professor	Physics	Grad Faculty	Physics
Hall,Jodi K	Assoc Professor	Social Work	Grad Faculty	Social Work
Hall,Jonathan Russell	Research Asst Professor	Biological Sciences	Affiliate Grad Faculty	Biological Sciences
Hall,Steven George	Assoc Professor	Biological And Agricultural En	Grad Faculty	Biological And Agri Engr
Hallen,Hans D	Professor	Physics	Grad Faculty	Physics
Hallowell III,George Dewey		Architecture	Affiliate Grad Faculty	
Halweg,Christopher J	Teaching Asst Professor	Biological Sciences	Affiliate Grad Faculty	Biological Sciences
Ham,Derek Allen	Asst Professor	Graphic & Industrial Design	Grad Faculty	Graphic & Industrial Design
Hamilton,Paul T	Assoc Professor	Plant and Microbial Biology	Grad Faculty	Plant and Microbial Biology
Hamilton,Peter	Adjunct Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Hamilton,Steven Paul	Adjunct Professor	Mathematics	Affiliate Grad Faculty	Mathematics
Hamme,John Valentine	Emeritus Associate Professor	Materials Science &Engineering	Grad Faculty	Materials Science &Engineering
Hammerberg,Bruce	Professor	Dept-Population,Health,Pathobi	Grad Faculty	Population Health&Pathobiology
Hammond,Robert Guthrie		Economics-Poole COM	Grad Faculty	
Hamon,Nicholas M.	Adjunct Professor	Entomology & Plant Pathology	Affiliate Grad Faculty	Entomology
Hamouda,Hechmi	Teaching Professor	Textile Engineering, Chemistry	Grad Faculty	Textile Engr Chemistry & Sci
Han,Kook	Asst Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Hanck,Kenneth W.	Emeritus Professor	Chemistry	Grad Faculty	Chemistry
Hancock,Bonnie V.	Professor of the Practice	Accounting-Poole COM	Grad Faculty	Accounting-Poole COM
Handfield,Robert B	Named Distinguished Univ Prof	Business Management-Poole COM	Grad Faculty	Business Management-Poole COM
Hanel,Rita M	Adjunct Asst Professor	Dept of Clinical Sciences	Affiliate Grad Faculty	Dept of Clinical Sciences
Hanley-Bowdoin,Linda Kay	Named Distinguished Professor	Plant and Microbial Biology	Grad Faculty	Biochemistry
Hanna,Adel F	Adjunct Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Hansen,Arthur P.	Emeritus Professor	Food,Bioprocess & Nutrition Sc	Grad Faculty	Food,Bioprocess & Nutrition Sc
Hansen,Bernard	Assoc Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Hansen,Jeffrey Alan	Adjunct Professor	Animal Science	Affiliate Grad Faculty	Animal Science
Hanson,Dana J.	Assoc Professor	Food,Bioprocess & Nutrition Sc	Grad Faculty	Food,Bioprocess & Nutrition Sc
Hanson,John M	Emrtus Disting'd Univ Prof	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Hardie,Elizabeth Mills	Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Hardin,Charles C.	Assoc Professor	Biochemistry	Grad Faculty	Biochemistry
Hardin,James W	Emeritus Professor	Plant and Microbial Biology	Grad Faculty	Plant and Microbial Biology
Hardison-Moody,Anne Margaret	Asst Professor	Agricultural & Human Sciences	Grad Faculty	Agricultural & Human Sciences
Hardy,David H	Adjunct Asst Professor	Crop & Soil Sciences	Affiliate Grad Faculty	Soil Science
Harfoush,Khaled Abdel Hamid	Assoc Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Harmon,Deidre Danielle	Extension Asst Professor	Animal Science	Grad Faculty	Animal Science
Harmon,Russell S	Adjunct Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Harms,Craig A	Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Harp,Tyler L	Adjunct Asst Professor	Entomology & Plant Pathology	Affiliate Grad Faculty	Entomology & Plant Pathology
Harper,Craig Andrew	Adjunct Assoc Professor	For & Envir Res Acad Research	Affiliate Grad Faculty	For & Envir Res Acad Research
Harper,James D	Emeritus Professor	Entomology & Plant Pathology	Grad Faculty	Entomology
Harrell Jr,Cleon W	Emeritus Associate Professor	Economics-Poole COM	Grad Faculty	Economics-Poole COM
Harrell,Robert J	Adjunct Assoc Professor	Animal Science	Affiliate Grad Faculty	Animal Science
Harries,Peter Juergen	Professor	Graduate School-Dean's Office	Grad Faculty	Marine Earth & Atmospheric Sci
Harrington,Ann D	Teaching Assoc Professor	TELS	Grad Faculty	TELS
Harrington,Charles D	Adjunct Assoc Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Harris,Angela Rose	Asst Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Harris,Dan Owen	Lecturer	Statistics	Grad Faculty	Statistics
Harris,Gabriel Keith	Assoc Professor	Food,Bioprocess & Nutrition Sc	Grad Faculty	Food,Bioprocess & Nutrition Sc
Harris,William C.	Emeritus Professor	History	Grad Faculty	History
Harrison Jr,William Charles	Adjunct Asst Professor	ELPHD	Affiliate Grad Faculty	ELPHD
Harrison Jr,William Charles	Teaching Asst Professor	ELPHD	Affiliate Grad Faculty	ELPHD
Harrison,Anthony Howard	Distinguished Professor	English	Grad Faculty	English
Harrison,Tara Myers	Asst Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Harrysson,Ola Lars Anders	Distinguished Professor	Fitts Dept Indust & Syst Engr	Grad Faculty	Fitts Dept Indust & Syst Engr
Hart,Franklin D.	Emeritus Professor	Ofc of Research & Innovation	Grad Faculty	Mechanical & Aerospace Engr
Hart,Peter Wayne	Adjunct Assoc Professor	Forest Biomaterials	Affiliate Grad Faculty	Forest Biomaterials
Hartstone-Rose PhD,Adam	Assoc Professor	Biological Sciences	Grad Faculty	Biological Sciences
Hartwig,Robert E.	Professor	Mathematics	Grad Faculty	Mathematics
Harvey,Raymond W.	Emeritus Professor	Animal Science	Grad Faculty	Animal Science
Harwood,Karey Alison	Assoc Professor	Philosophy & Religious Studies	Grad Faculty	Philosophy & Religious Studies
Haskett,Mary E	Professor	Psychology	Grad Faculty	Psychology
Hassan,Awatif E	Emeritus Professor	For & Envir Res Acad Research	Grad Faculty	For & Envir Res Acad Research
Hassan,Hassan A.	Emeritus Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Hassan,Hosni Moustafa	Professor	Prestage Poultry Science	Grad Faculty	Microbiology
Hassan,Tasnim	Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Hatcher,Timothy G		ELPHD	Grad Faculty	
Hathaway,Jon Michael	Adjunct Asst Professor	Biological And Agricultural En	Affiliate Grad Faculty	Biological And Agri Engr
Hauck,Marlene L	Emeritus Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Hauenstein,Jonathan David	Adjunct Asst Professor	Mathematics	Affiliate Grad Faculty	Mathematics
Haugh,Jason M	Professor	Chemical & Biomolecular Engr	Grad Faculty	Chemical & Biomolecular Engr.
Hauser,John R.	Emeritus Named Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Hauser,Peter J	Professor	Textile Engineering, Chemistry	Grad Faculty	Textile Engr Chemistry & Sci
Havenstein,Gerald B.	Emeritus Professor	Prestage Poultry Science	Grad Faculty	Prestage Poultry Science
Havlin,John L	Professor	Crop & Soil Sciences	Grad Faculty	Soil Science
Havner,Kerry S.	Emeritus Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Hawari,Ayman I	Distinguished Professor	Nuclear Engineering	Grad Faculty	Nuclear Engr
Hawkes,Christine Veronica	Professor	Plant and Microbial Biology	Grad Faculty	Plant and Microbial Biology
Hawkins,Eleanor C	Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Hawkins,Mary Beth		Biological Sciences	Affiliate Grad Faculty	
Hayes,Robert Bruce	Assoc Professor	Nuclear Engineering	Grad Faculty	Nuclear Engr

Haynie III, William J	Emeritus Professor	Sci, Tech, Engr & Math (STEM)	Grad Faculty	Sci, Tech, Engr & Math (STEM)
Hazel, Dennis W.	Assoc Professor	Forestry Extension	Grad Faculty	For & Envir Res Acad Research
He, Ruoying	Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Headen, Alvin E.	Emeritus Associate Professor	Economics-Poole COM	Grad Faculty	Economics-Poole COM
Healey, Christopher Graham	Professor	Advanced Analytics	Grad Faculty	Computer Science-Engr
Heatwole, Harold F	Emeritus Professor	Biological Sciences	Grad Faculty	Biological Sciences
Heber, Steffen	Assoc Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Heck, Walter Webb	Emeritus USDA Prof	Administration - Research Serv	Grad Faculty	Plant and Microbial Biology
Heckert, Andrew Bittinger	Adjunct Assoc Professor	Biological Sciences	Affiliate Grad Faculty	Biological Sciences
Heckman, Sarah Smith	Teaching Assoc Professor	Computer Science-engr	Affiliate Grad Faculty	Computer Science-Engr
Heese, Hans Sebastian	Named Distinguished Professor	Business Management-Poole COM	Grad Faculty	Business Management-Poole COM
Heimbach, Clinton L.	Emeritus Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Heiniger, Ronnie William	Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Heise, Ryan J	Adjunct Asst Professor	Applied Ecology	Affiliate Grad Faculty	Applied Ecology
Heitman, Joshua L	Professor	Crop & Soil Sciences	Grad Faculty	Soil Science
Heitmann Jr, John A	Emeritus Professor	Forest Biomaterials	Grad Faculty	Forest Biomaterials
Helman, Lee Jay	Adjunct Professor	Dept-Population, Health, Pathobi	Affiliate Grad Faculty	Population Health&Pathobiology
Helminck, Aloysius G	Professor	Mathematics	Grad Faculty	Mathematics
Henard, David H	Professor	Business Management-Poole COM	Grad Faculty	Business Management-Poole COM
Henderson, Barron Halton	Adjunct Asst Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Henderson, Karla Ann	Emeritus Professor	Parks, Recreation & Tourism Mg	Grad Faculty	Parks Recreation & Tourism Mg
Henderson, Warren R.	Emeritus Professor	Horticultural Science	Grad Faculty	Horticultural Science
Hentz Jr, Forrest Clyde	Emeritus Professor	Chemistry	Grad Faculty	Chemistry
Hergeth, Helmut H	Assoc Professor	Textile & Apparel, Technology	Grad Faculty	Textile & Apparel Tech & Mgmt
Hernandez, Raquel	Research Assoc Professor	Biochemistry	Affiliate Grad Faculty	Biochemistry
Hernandez, Ricardo	Asst Professor	Horticultural Science	Grad Faculty	Horticultural Science
Herring, William O	Adjunct Professor	Animal Science	Affiliate Grad Faculty	Animal Science
Hersh, Patricia L	Professor	Mathematics	Grad Faculty	Mathematics
Hess, George R.	Professor	For & Envir Res Acad Research	Grad Faculty	Landscape Architecture
Hess, Paul R	Assoc Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Hess, Thomas M.	Professor	Psychology	Grad Faculty	Psychology
Hessling, Peter A	Teaching Asst Professor	ELPHD	Grad Faculty	ELPHD
Hesterberg, Dean L	Named Professor	Crop & Soil Sciences	Grad Faculty	Soil Science
Hibbard, James Patrick	Emeritus Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Hicklin, Karen Theodora	Adjunct Asst Professor	Fitts Dept Indust & Syst Engr	Affiliate Grad Faculty	Fitts Dept Indust & Syst Engr
Hicks, Gregory Eugene	Teaching Asst Professor	ELPHD	Grad Faculty	ELPHD
Hightower, Joseph E	Emeritus Professor	Applied Ecology	Affiliate Grad Faculty	Applied Ecology
Hill, David Brian	Professor	Architecture	Grad Faculty	Architecture
Hillmann, Ruediger C.	Emeritus Associate Professor	Entomology & Plant Pathology	Grad Faculty	Entomology
Hinesley, Lewis E.	Emeritus Professor	Horticultural Science	Grad Faculty	Horticultural Science
Hinks, David	Named Professor	College Of Textiles-dean's Off	Grad Faculty	Textile Engr Chemistry & Sci
Hinshaw, Garrett Denton	Adjunct Asst Professor	ELPHD	Affiliate Grad Faculty	ELPHD
Hinshaw, Jeffrey M.	Professor	Applied Ecology	Grad Faculty	Applied Ecology
Hinton, Timothy J	Professor	Philosophy & Religious Studies	Grad Faculty	Philosophy & Religious Studies
Hipp, James Aaron	Assoc Professor	Parks, Recreation & Tourism Mg	Grad Faculty	Parks Recreation & Tourism Mg
Hobbs, Heidi H	Assoc Professor	Public & International Affairs	Grad Faculty	Public & International Affairs
Hobgood Jr, Thomas N	Emeritus Professor	Administration - Extension Ser	Grad Faculty	Sociology And Anthropology
Hodge, Gary Ray	Professor	CAMCORE-Cooperative	Grad Faculty	For & Envir Res Acad Research
Hodge, George Lawrence	Assoc Professor	Textile Engineering, Chemistry	Grad Faculty	Textile Engr Chemistry & Sci
Hodges, Charles S	Visiting Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Hodgson, Thom Joel	Emeritus Named Professor	Fitts Dept Indust & Syst Engr	Grad Faculty	Fitts Dept Indust & Syst Engr
Hodgson, Thomas H.	Emeritus Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Hofelt, Christopher Scott		Applied Ecology	Affiliate Grad Faculty	
Hoffmann PhD, Kristin Fisher	Clinical Asst Professor	TELS	Affiliate Grad Faculty	TELS
Hoffmann PhD, Kristin Fisher	Lecturer	TELS	Affiliate Grad Faculty	TELS
Hoffmann, Mark	Asst Professor	Horticultural Science	Grad Faculty	Horticultural Science
Hoffmann, William A	Professor	Plant and Microbial Biology	Grad Faculty	Plant and Microbial Biology
Hoggan, Chad David	Assoc Professor	ELPHD	Grad Faculty	ELPHD
Hoit, Marc I	Professor	VC for Off of Info Technology	Grad Faculty	Civil, Const & Env Engineering
Holder, Amara Lee	Adjunct Asst Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Holl, Justin W	Adjunct Asst Professor	Animal Science	Affiliate Grad Faculty	Animal Science
Holland, James B	USDA Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Hollar, Seth E	Teaching Asst Professor	Electrical & Computer Engr.	Grad Faculty	Mechanical & Aerospace Engr
Hollebrands, Karen Flanagan	Professor	Sci, Tech, Engr & Math (STEM)	Grad Faculty	Sci, Tech, Engr & Math (STEM)
Holley, Linda T.	Emeritus Professor	English	Grad Faculty	English
Holmes, Thomas P	Adjunct Professor	For & Envir Res Acad Research	Affiliate Grad Faculty	For & Envir Res Acad Research
Holt, Jonathan Paul	Asst Professor	Animal Science	Grad Faculty	Animal Science
Holthausen, Duncan M.	Emeritus Professor	Economics-Poole COM	Grad Faculty	Business Management-Poole COM
Holton, William C.	Adjunct Professor	Electrical & Computer Engr.	Affiliate Grad Faculty	Electrical & Computer Engr.
Honeycutt, Thomas Lynn	Emeritus Associate Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Hong, Hoon	Professor	Mathematics	Grad Faculty	Mathematics
Hooker PhD, Deborah Small		English	Affiliate Grad Faculty	
Hooker, Willard E.	Emeritus Professor	Horticultural Science	Grad Faculty	Horticultural Science
Hooper, Percy Rivera	Assoc Professor	Graphic & Industrial Design	Grad Faculty	Graphic & Industrial Design
Hope, Elan	Asst Professor	Psychology	Grad Faculty	Psychology
Hopfenberg, Harold B.	Emeritus Named Professor	Chemical & Biomolecular Engr	Grad Faculty	Chemical & Biomolecular Engr.
Hopkins, Brinton Alden	Professor	Animal Science	Grad Faculty	Animal Science
Hopkins, Douglas C	Research Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Hopkins, Thomas Sawyer	Research Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Hoppin, Jane A	Professor	Biological Sciences	Grad Faculty	Biological Sciences
Horie, Yasuyuki	Emeritus Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Horn, Timothy Joseph	Research Asst Professor	Fitts Dept Indust & Syst Engr	Grad Faculty	Fitts Dept Indust & Syst Engr

Horne,Erin Thomas	Clinical Asst Professor	College Of Education	Grad Faculty	TELS
Horowitz,Jonathan M	Professor	Ofc of Research & Innovation	Grad Faculty	Dept Molecular Biomedical Sci
Horton,Horace R	Emeritus Named Distng'd Prof	Biochemistry	Grad Faculty	Biochemistry
Hou,Jia	Asst Professor	Nuclear Engineering	Grad Faculty	Nuclear Engr
House,John S.		Bioinformatics Res Ctr	Affiliate Grad Faculty	
Hoversten PhD,Mark Elison	Professor	College of Design	Grad Faculty	Landscape Architecture
Howard,Anna Kathleen Tyler	Teaching Assoc Professor	Mechanical & Aerospace Engr	Affiliate Grad Faculty	Mechanical & Aerospace Engr
Howard,Kristina Elaine	Research Asst Professor	Dept Molecular Biomedical Scie	Affiliate Grad Faculty	Dept Molecular Biomedical Sci
Howell,Gary W		Advanced Computing	Affiliate Grad Faculty	
Hoyo,Cathrine	Professor	Biological Sciences	Grad Faculty	Biological Sciences
Hren,John Joseph	Emeritus Professor	Materials Science &Engineering	Grad Faculty	Materials Science &Engineering
Hsiang,Simon M	Adjunct Professor	Fitts Dept Indust & Syst Engr	Affiliate Grad Faculty	Fitts Dept Indust & Syst Engr
Hsiao,Chien Ching Lilian	Asst Professor	Chemical & Biomolecular Engr	Grad Faculty	Chemical & Biomolecular Engr.
Hsieh,Tzung Fu	Assoc Professor	Plant and Microbial Biology	Grad Faculty	Genetics
Hu,Jianxin	Assoc Professor	Architecture	Grad Faculty	Architecture
Hu,Shuijin	Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Hu,Xiaogang	Asst Professor	Biomedical Program - ENG	Grad Faculty	Biomedical Program-Engineering
Hu,Yongxiang	Adjunct Assoc Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Huang,He	Professor	Biomedical Program - ENG	Grad Faculty	Biomedical Program-Engineering
Huang,Hsiao-Ying Shadow	Assoc Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Huang,Jeng Sheng	Emeritus Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Huang,Qin	Adjunct Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Hubbe,Martin A	Named Professor	Forest Biomaterials	Grad Faculty	Forest Biomaterials
Hubbell,Bryan J	Adjunct Asst Professor	Ag & Resource Economics	Affiliate Grad Faculty	Ag & Resource Economics
Hudson,Lola Carol	Emeritus Professor	Dept Molecular Biomedical Scie	Grad Faculty	Dept Molecular Biomedical Sci
Hudson,Peyton B	Emeritus Associate Professor	Textile & Apparel, Technology	Grad Faculty	Textile & Apparel Tech & Mgmt
Hudson,Samuel Mack	Professor	Textile Engineering, Chemistry	Grad Faculty	Textile Engr Chemistry & Sci
Huffman,Paul R	Professor	Physics	Grad Faculty	Physics
Huffman,Rodney L.	Emeritus Associate Professor	Biological And Agricultural En	Grad Faculty	Biological And Agri Engr
Hughes,Brian L	Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Hughes-Oliver,Jacqueline M.	Professor	Statistics	Grad Faculty	Statistics
Hulse,Amanda Marie	USDA Asst Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Hunt III,William F	Named Professor	Biological And Agricultural En	Grad Faculty	Biological And Agri Engr
Hunt Jr,Louis David	Adjunct Asst Professor	EMAS-Enrollment Mgt & Services	Affiliate Grad Faculty	Adult & Higher Education
Hunt,Heather Rose Shive		Dept-Population,Health,Pathobi	Grad Faculty	
Hunt,Jessica Heather	Assoc Professor	TELS	Grad Faculty	TELS
Hunt,Marvin W	Emeritus Teaching Assoc Prof	English	Affiliate Grad Faculty	English
Hunter,Steven Wade	Adjunct Asst Professor	Computer Science-engr	Affiliate Grad Faculty	Electrical & Computer Engr.
Huntington,Gerald B		Animal Science	Grad Faculty	
Hurley,Ryan J	Assoc Professor	Communication	Grad Faculty	Communication
Husain,Iqbal	Named Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Huseth,Anders Schmidt	Asst Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Hyland,Ethan Gordon	Asst Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Hyman PhD,Michael	Professor	Plant and Microbial Biology	Grad Faculty	Plant and Microbial Biology
Hyman,David N.	Professor	Economics-Poole COM	Grad Faculty	Economics-Poole COM
Iafrate,Gerald J.	Adjunct Professor	Electrical & Computer Engr.	Affiliate Grad Faculty	Electrical & Computer Engr.
Iames Jr,John Shepherd	Adjunct Asst Professor	For & Envir Res Acad Research	Affiliate Grad Faculty	For & Envir Res Acad Research
Ingram,William G	Adjunct Asst Professor	ELPHD	Affiliate Grad Faculty	ELPHD
Intile DVM,Joanne Lynn	Clinical Asst Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Iorizzo,Massimo	Asst Professor	Horticultural Science	Grad Faculty	Horticultural Science
Ipsen,Ilse	Professor	Mathematics	Grad Faculty	Mathematics
Irving,Douglas Lee	Assoc Professor	Materials Science &Engineering	Grad Faculty	Materials Science &Engineering
Irwin,Rebecca Elizabeth	Professor	Applied Ecology	Grad Faculty	Applied Ecology
Isaacson,Nathaniel Kenneth	Assoc Professor	Foreign Languages And Literatu	Grad Faculty	Foreign Languages and Lit
Isik,Fikret	Professor	Tree Improvement Cooperative	Grad Faculty	For & Envir Res Acad Research
Isleib,Thomas G.	Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Ison,Elon Ayinde	Assoc Professor	Chemistry	Grad Faculty	Chemistry
Israel,Daniel Wesley	Emeritus Professor	Crop & Soil Sciences	Grad Faculty	Soil Science
Istook,Cynthia L	Named Professor	Textile & Apparel, Technology	Grad Faculty	Textile & Apparel Tech & Mgmt
Ito,Kazufumi	Professor	Mathematics	Grad Faculty	Mathematics
Ivanisevic,Albena	Professor	Materials Science &Engineering	Grad Faculty	Materials Science &Engineering
Ivanov,Kostadin Nikolov	Professor	Nuclear Engineering	Grad Faculty	Nuclear Engr
Ivy,Julie Simmons	Professor	Fitts Dept Indust & Syst Engr	Grad Faculty	Fitts Dept Indust & Syst Engr
Jackowski,Melissa Bristle	Adjunct Asst Professor	ELPHD	Affiliate Grad Faculty	ELPHD
Jackson,Brian Eugene	Assoc Professor	Horticultural Science	Grad Faculty	Horticultural Science
Jackson,Denis Sherald		BTEC-Biomfg Training Ed Ctr	Affiliate Grad Faculty	
Jackson,Steven D	Teaching Professor	Integrated Manufacturing Sys E	Grad Faculty	Fitts Dept Indust & Syst Engr
Jacob,Anna Margaret	Asst Professor	ELPHD	Grad Faculty	ELPHD
Jacob,Megan E	Assoc Professor	Dept-Population,Health,Pathobi	Grad Faculty	Population Health&Pathobiology
Jaeger,Audrey J.	Professor	ELPHD	Grad Faculty	ELPHD
Jahn,Larry G.	Emeritus Professor	Forest Biomaterials	Grad Faculty	Forest Biomaterials
Jaimes,Hector A	Professor	Foreign Languages And Literatu	Grad Faculty	Foreign Languages and Lit
Jakes,Susan S	Extension Asst Professor	Ag And Natural Resources/comm	Grad Faculty	Agricultural & Human Sciences
Jakes,Susan S	Extension Asst Professor	Psychology	Grad Faculty	Agricultural & Human Sciences
Jakubikova,Elena	Assoc Professor	Chemistry	Grad Faculty	Chemistry
Jameel,Hasan	Named Professor	Forest Biomaterials	Grad Faculty	Forest Biomaterials
James,April Lynda	Adjunct Assoc Professor	For & Envir Res Acad Research	Affiliate Grad Faculty	For & Envir Res Acad Research
Jameson,Jessica Katz	Professor	Communication	Grad Faculty	Communication
Jang,Carey	Adjunct Assoc Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Jaselskis,Edward J	Distinguished Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Jasper,Warren J	Professor	Textile Engineering, Chemistry	Grad Faculty	Textile Engr Chemistry & Sci
Jayaratne,Koralalage Sunil Upali	Professor	Agricultural & Human Sciences	Grad Faculty	Agricultural & Extension Edu

Jaykus, Lee-Ann	Named Professor	Food, Bioprocess & Nutrition Sc	Grad Faculty	Food, Bioprocess & Nutrition Sc
Jeffries, Micha Jennine	Teaching Asst Professor	TELS	Grad Faculty	Elementary Education
Jeffries, Stephanie Breard	Teaching Assoc Professor	For & Envir Res Acad Research	Grad Faculty	For & Envir Res Acad Research
Jeng, Xinge Jessie	Assoc Professor	Statistics	Grad Faculty	Statistics
Jenkins, David M.	Emeritus Professor	Personal Org. Development	Grad Faculty	Agricultural & Extension Edu
Jennings, Gregory Donald	Emeritus Professor	Biological And Agricultural En	Grad Faculty	Biological And Agri Engr
Jennings, Jamie Allison	Teaching Asst Professor	Computer Science-engr	Affiliate Grad Faculty	Computer Science-Engr
Jennings, Katherine Mary	Assoc Professor	Horticultural Science	Grad Faculty	Horticultural Science
Jennings, Pamela Lynnette	Professor	Art and Design	Grad Faculty	Art and Design
Jett, Jackson Bates	Professor	Tree Improvement Cooperative	Grad Faculty	For & Envir Res Acad Research
Jett, Jackson Bates	Emeritus Professor	College of Natural Resources	Grad Faculty	For & Envir Res Acad Research
Jetton PhD, Robert Miller	Research Assoc Professor	CAMCORE-Cooperative	Grad Faculty	For & Envir Res Acad Research
Jhala, Arnav Harish	Assoc Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Ji, Chueng Ryong	Professor	Physics	Grad Faculty	Physics
Jiang, Xiaoning	Distinguished Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Jin, Bongil	Assoc Professor	Graphic & Industrial Design	Grad Faculty	Graphic & Industrial Design
Jin, Byoung Ho Ellie	Named Professor	Textile & Apparel, Technology	Grad Faculty	Textile & Apparel Tech & Mgmt
Jin, Guoliang	Asst Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Jing, Naihuan	Professor	Mathematics	Grad Faculty	Mathematics
Jing, Yun	Assoc Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Jodoin, Vincent Joseph	Adjunct Assoc Professor	Nuclear Engineering	Affiliate Grad Faculty	Nuclear Engr
Joffe, Sharon Lynne	Adjunct Assoc Professor	English	Affiliate Grad Faculty	English
Johanningsmeier, Suzanne D	USDA Assoc Professor	Food, Bioprocess & Nutrition Sc	Grad Faculty	Food, Bioprocess & Nutrition Sc
Johnson, Amy Marie	Asst Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Johnson, David Neal	Adjunct Asst Professor	ELPHD	Affiliate Grad Faculty	ELPHD
Johnson, Henry Louis	Professor of the Practice	ELPHD	Affiliate Grad Faculty	ELPHD
Johnson, Jeremiah	Assoc Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Johnson, Melissa A	Professor	Communication	Grad Faculty	Communication
Johnson, Richard R.	Emeritus Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Johnson, Thomas	Emeritus Professor	Ag & Resource Economics	Grad Faculty	Ag & Resource Economics
Johnson, William L	Emeritus Professor	Animal Science	Grad Faculty	Animal Science
Johnston, Andrew Robert	Asst Professor	English	Grad Faculty	English
Johnston, David West	Emeritus Distinguished Prof	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Johnston, Karen L.	Emeritus Professor	Physics	Grad Faculty	Physics
Johnstone III, William M.	Lecturer	Biological Sciences	Grad Faculty	Biological Sciences
Joijode, Abhay Sham		Nonwovens Institute	Affiliate Grad Faculty	
Joijode, Abhay Sham	Adjunct Professor	Textile Engineering, Chemistry	Affiliate Grad Faculty	Textile Engr Chemistry & Sci
Joines, Jeffrey Allen	Professor	Textile Engineering, Chemistry	Grad Faculty	Textile Engr Chemistry & Sci
Joines, Sharon Melissa Bennett	Professor	College of Design	Grad Faculty	Graphic & Industrial Design
Jones, Charles P.	Emeritus Named Professor	Business Management-Poole COM	Grad Faculty	Business Management-Poole COM
Jones, Daniela Sofia	Research Asst Professor	Biological And Agricultural En	Grad Faculty	Biological And Agri Engr
Jones, Ebony Pearl	Asst Professor	History	Affiliate Grad Faculty	History
Jones, Guy Langston	Emeritus Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Jones, Jacob L	Professor	Materials Science & Engineering	Grad Faculty	Materials Science & Engineering
Jones, James R.	Emeritus Professor	Animal Science	Grad Faculty	Animal Science
Jones, Jill Spargur	Teaching Asst Professor	TELS	Grad Faculty	TELS
Jones, Lawrence Keith	Emeritus Professor	Curr, Instr & Counselor Ed-CED	Grad Faculty	Curr, Instr & Counselor Ed-CED
Jones, Melissa Gail	Professor	Sci, Tech, Engr & Math (STEM)	Grad Faculty	Sci, Tech, Engr & Math (STEM)
Jones, Ronald K	Emeritus Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Jones, Samuel L	Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Jones, Tamecia Raishaun	Asst Professor	Sci, Tech, Engr & Math (STEM)	Grad Faculty	Sci, Tech, Engr & Math (STEM)
Jones, Victor A.	Emeritus Professor	Food, Bioprocess & Nutrition Sc	Grad Faculty	Food, Bioprocess & Nutrition Sc
Jones, Whitney Mcrae	Teaching Asst Professor	Biological Sciences	Affiliate Grad Faculty	Biological Sciences
Jordan, Chad Victor	Teaching Assoc Professor	Plant and Microbial Biology	Grad Faculty	Plant and Microbial Biology
Jordan, David L	Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Jordan, William J.	Emeritus Professor	Communication	Grad Faculty	Communication
Joseph, Michael Vadakekara	Asst Professor	Prestage Poultry Science	Grad Faculty	Prestage Poultry Science
Joyner, Charles Edward	Emeritus Professor	Art and Design	Grad Faculty	Art and Design
Jur, Jesse Stephen	Assoc Professor	Textile Engineering, Chemistry	Grad Faculty	Textile Engr Chemistry & Sci
Kaber, David B	Adjunct Professor	Fitts Dept Indust & Syst Engr	Grad Faculty	Fitts Dept Indust & Syst Engr
Kabukcuoglu Dur, Ayse Zeyneti	Asst Professor	Economics-Poole COM	Grad Faculty	Economics-Poole COM
Kaeser, Tobias Ernst	Asst Professor	Dept-Population, Health, Pathobi	Grad Faculty	Population Health & Pathobiology
Kahn, Joseph Stephan	Emeritus Professor	Biochemistry	Grad Faculty	Biochemistry
Kalat, James W.	Emeritus Professor	Psychology	Grad Faculty	Psychology
Kalinga, Owen J	Emeritus Professor	History	Grad Faculty	History
Kalnina, Ilze	Asst Professor	Economics-Poole COM	Grad Faculty	Economics-Poole COM
Kaltoven, Erich L	Professor	Mathematics	Grad Faculty	Mathematics
Kamper, Derek Gary	Assoc Professor	Biomedical Program - ENG	Grad Faculty	Biomedical Program-Engineering
Kamykowski, Daniel	Emeritus Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Kandilov, Ivan Todorov	Assoc Professor	Ag & Resource Economics	Grad Faculty	Ag & Resource Economics
Kang, Min Jeong	Assoc Professor	Mathematics	Grad Faculty	Mathematics
Kang, Nam-Young	Adjunct Asst Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Kanters, Michael A	Professor	Parks, Recreation & Tourism Mg	Grad Faculty	Parks Recreation & Tourism Mg
Kaoumi, Djamel	Assoc Professor	Nuclear Engineering	Grad Faculty	Nuclear Engr
Kaprauelos, Alexandros	Asst Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Karoui, Abdennaceur	Adjunct Assoc Professor	Materials Science & Engineering	Affiliate Grad Faculty	Materials Science & Engineering
Kasal, Bohumil	Adjunct Professor	Forest Biomaterials	Grad Faculty	Forest Biomaterials
Kasichainula, Jagannadham	Assoc Professor	Materials Science & Engineering	Grad Faculty	Materials Science & Engineering
Kasper-Marienberg, Verena Ines	Asst Professor	History	Grad Faculty	History
Kasworm, Carol Edith	Emeritus Named Professor	ELPHD	Grad Faculty	ELPHD
Kathariou, Sophia	Professor	Food, Bioprocess & Nutrition Sc	Grad Faculty	Food, Bioprocess & Nutrition Sc
Katsumata, Ayako		Entomology & Plant Pathology	Grad Faculty	

Katti,Madhusudan Vithal	Assoc Professor	For & Envir Res Acad Research	Grad Faculty	For & Envir Res Acad Research
Katz,Susan M	Emeritus Associate Professor	English	Grad Faculty	English
Katzin,Gerald H.	Emeritus Professor	Physics	Grad Faculty	Physics
Kaur,Parminder	Research Asst Professor	Physics	Grad Faculty	Physics
Kay PhD,Colin David	Assoc Professor	Kannapolis Research	Grad Faculty	Food,Bioprocess & Nutrition Sc
Kay,Michael G.	Assoc Professor	Fitts Dept Indust & Syst Engr	Grad Faculty	Fitts Dept Indust & Syst Engr
Kays,Roland Wesley	Research Assoc Professor	For & Envir Res Acad Research	Grad Faculty	For & Envir Res Acad Research
Kazemi Tutunchi,Golbarg		Fitts Dept Indust & Syst Engr	Affiliate Grad Faculty	
Kazemi Tutunchi,Golbarg	Adjunct Professor	Public & International Affairs	Affiliate Grad Faculty	Fitts Dept Indust & Syst Engr
Kearney,Richard Craig		Civil Const & Environ Engineer	Grad Faculty	
Kearns,Joshua Perry	Asst Professor	Dept of Clinical Sciences	Grad Faculty	Civil, Const & Env Engineering
Kedrowicz,April Ann	Assoc Professor	Dept-Population,Health,Pathobi	Grad Faculty	Dept of Clinical Sciences
Keelara Veerappa,Shivaramu	Research Asst Professor	Dept of Clinical Sciences	Grad Faculty	Population Health&Pathobiology
Keene,Bruce W	Professor	Sci, Tech, Engr & Math (STEM)	Grad Faculty	Dept of Clinical Sciences
Keene,Karen Allen	Assoc Professor	Interdisciplinary Studies	Grad Faculty	Sci, Tech, Engr & Math (STEM)
Kelley,Blair Lynne Murphy	Assoc Professor	Mathematics	Grad Faculty	History
Kelley,Carl Timothy	Named Professor	Physics	Grad Faculty	Mathematics
Kelley,John H	Research Assoc Professor	Forest Biomaterials	Grad Faculty	Physics
Kelley,Stephen S	Professor	For & Envir Res Acad Research	Grad Faculty	Forest Biomaterials
Kellison,Robert C.	Emeritus Professor	English	Grad Faculty	For & Envir Res Acad Research
Kellner PhD,Hans Dodds	Professor	Friday Institute	Affiliate Grad Faculty	English
Kellogg,Shaun B.	Teaching Asst Professor	Foreign Languages And Literatu	Grad Faculty	TELS
Kelly,John Rivard	Emeritus Professor	Chemical & Biomolecular Engr	Grad Faculty	Foreign Languages and Lit
Kelly,Robert M	Named Professor	Mechanical & Aerospace Engr	Grad Faculty	Chemical & Biomolecular Engr.
Keltie,Richard F.	Professor	Business Management-Poole COM	Grad Faculty	Mechanical & Aerospace Engr
Kemahlioglu-Ziya,Eda	Assoc Professor	Physics	Grad Faculty	Business Management-Poole COM
Kemper,Alexander	Asst Professor	Applied Ecology	Grad Faculty	Physics
Kendall,Corinne J	Adjunct Asst Professor	Entomology & Plant Pathology	Affiliate Grad Faculty	Applied Ecology
Kennedy,George G.	Named Distinguished Professor	Dept of Clinical Sciences	Grad Faculty	Entomology & Plant Pathology
Kennedy-Stoskopf,Suzanne	Emeritus Research Professor	Architecture	Grad Faculty	Dept of Clinical Sciences
Kentgens-Craig PhD,Margret	Adjunct Assoc Professor	For & Envir Res Acad Research	Affiliate Grad Faculty	Architecture
Kern,Jordan	Asst Professor	Entomology & Plant Pathology	Grad Faculty	For & Envir Res Acad Research
Kerns,James P	Assoc Professor	History	Grad Faculty	Entomology & Plant Pathology
Kertesz,Judy	Asst Professor	English	Grad Faculty	History
Kessel,John J.	Emeritus Professor	Public & International Affairs	Grad Faculty	English
Kessler,Sanford H.	Emeritus Associate Professor	Chemical & Biomolecular Engr	Grad Faculty	Public & International Affairs
Keung,Albert Jun Qi	Asst Professor	Crop & Soil Sciences	Grad Faculty	Chemical & Biomolecular Engr.
Keys,Robert Dean	Emeritus Associate Professor	For & Envir Res Acad Research	Grad Faculty	Crop & Soil Sciences
Keyser,Tara	Adjunct Assoc Professor	Communication	Affiliate Grad Faculty	For & Envir Res Acad Research
Keyton,Joann	Professor	Graphic & Industrial Design	Grad Faculty	Communication
Khachatoorian,Haig	Emeritus Professor	Chemistry	Grad Faculty	Graphic & Industrial Design
Khaledi,Morteza	Emeritus Professor	Chemical & Biomolecular Engr	Affiliate Grad Faculty	Chemistry
Khan,Saad A	Named Professor	KCLDS	Grad Faculty	Chemical & Biomolecular Engr.
Khater,Akram F	Professor	Mathematics	Grad Faculty	History
Kheyfets,Arkady	Professor	Public & International Affairs	Grad Faculty	Mathematics
Khisa,Moses	Asst Professor	For & Envir Res Acad Research	Grad Faculty	Public & International Affairs
Khorram,Siamak		Civil Const & Environ Engineer	Grad Faculty	
Khosla,Narendra P.	Emeritus Professor	Electrical & Computer Engr.	Grad Faculty	Civil, Const & Env Engineering
Kia,Behnam	Adjunct Asst Professor	Ag & Resource Economics	Affiliate Grad Faculty	Electrical & Computer Engr.
Kick,Edward Lee	Professor	Food,Bioprocess & Nutrition Sc	Grad Faculty	Ag & Resource Economics
Kilara,Arun	Adjunct Professor	For & Envir Res Acad Research	Affiliate Grad Faculty	Food,Bioprocess & Nutrition Sc
Kilgo,John C	Adjunct Asst Professor	Psychology	Grad Faculty	For & Envir Res Acad Research
Kim,Eui Kyung	Asst Professor	Electrl & Comp Engr Grad &Temp	Affiliate Grad Faculty	Psychology
Kim,Jihwan		Electrical & Computer Engr.	Grad Faculty	
Kim,Ki Wook	Professor	History	Grad Faculty	Electrical & Computer Engr.
Kim,Mi Gyung	Professor	Animal Science	Grad Faculty	History
Kim,Sung Woo	Adjunct Asst Professor	Dept-Population,Health,Pathobi	Grad Faculty	Animal Science
Kim,Yongbaek	Distinguished University Prof	Civil Const & Environ Engineer	Affiliate Grad Faculty	Population Health&Pathobiology
Kim,Youngsoo R	Adjunct Professor	Statistics	Grad Faculty	Civil, Const & Env Engineering
Kimbell,Julia S	Assoc Professor	History	Affiliate Grad Faculty	Statistics
Kimler,William Charles	Teaching Asst Professor	Computer Science-engr	Grad Faculty	History
King,Jason Tyler	Professor	FER Tree Physiology	Affiliate Grad Faculty	Computer Science-Engr
King,John S	Emeritus Associate Professor	English	Grad Faculty	For & Envir Res Acad Research
King,Margaret Fontaine	Professor	Textile Engineering, Chemistry	Grad Faculty	English
King,Martin William	Named Professor	Fitts Dept Indust & Syst Engr	Grad Faculty	Textile Engr Chemistry & Sci
King,Russell E.	Distinguished Professor	Business Management-Poole COM	Grad Faculty	Fitts Dept Indust & Syst Engr
King,Stacy W	Adjunct Professor	Marine, Earth And Atmospheric	Grad Faculty	Business Management-Poole COM
Kingsmill,David E	Assoc Professor	Textile & Apparel, Technology	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Kinra,Kavita	Professor	Communication	Grad Faculty	Textile & Apparel Tech & Mgmt
Kinsella,William J	Professor	Agricultural & Human Sciences	Grad Faculty	Communication
Kirby,Barbara Malpiedi	Professor	Agricultural & Human Sciences	Grad Faculty	Agricultural & Human Sciences
Kirby,Sarah D	Professor	College of Natural Resources	Grad Faculty	4-H Youth Dev & Fam & Cons Sci
Kirkman,Adrianna G.	Emeritus Professor	Mgmt, Innovation&Entrepreneur	Grad Faculty	Forest Biomaterials
Kirkman,Bradley Lane	Professor	Marine, Earth And Atmospheric	Grad Faculty	Mgmt, Innovation & Entrepreneu
Kirkpatrick,Gary Jay	Adjunct Asst Professor	Electrical & Computer Engr.	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Kish Jr,Frederick Anthony	Professor	Communication	Grad Faculty	Electrical & Computer Engr.
Kiwanuka-Tondo,James	Assoc Professor	Food,Bioprocess & Nutrition Sc	Grad Faculty	Communication
Klaenhammer,Todd Robert	Emrtus Nmd Distng'd Univ Prof	TELS	Grad Faculty	Food,Bioprocess & Nutrition Sc
Kleiman,Glenn Marshall	Professor	Psychology	Grad Faculty	TELS
Klein,Katherine W.	Emeritus Associate Professor	Plant and Microbial Biology	Grad Faculty	Psychology
Kleiner,Manuel	Asst Professor	Mechanical & Aerospace Engr	Grad Faculty	Plant and Microbial Biology
Kleinstreuer,Clement	Professor		Grad Faculty	Mechanical & Aerospace Engr

Kleiss,Harold J.	Emeritus Professor	Crop & Soil Sciences	Grad Faculty	Soil Science
Kloos,Wesley Edwin	Emeritus Professor	Biological Sciences	Grad Faculty	Genetics
Knappe,Detlef R	Distinguished Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Knauer,Mark T	Assoc Professor	Animal Science	Grad Faculty	Animal Science
Kneller,James P	Assoc Professor	Physics	Grad Faculty	Physics
Knoeber,Charles Robert	Professor	Economics-Poole COM	Grad Faculty	Economics-Poole COM
Knollenberg,Whitney Grace	Asst Professor	Parks, Recreation & Tourism Mg	Grad Faculty	Parks Recreation & Tourism Mg
Knopp,James Arthur	Emeritus Professor	Biochemistry	Grad Faculty	Biochemistry
Knowles Jr,A Sidney	Emeritus Professor	English	Grad Faculty	English
Knowles,Anna Marie Gibson	Teaching Asst Professor	English	Grad Faculty	English
Knowles,Charles Ernest	Lecturer	Mar, Earth & Atmos Sci Grad-Tm	Grad Faculty	Marine Earth & Atmospheric Sci
Knowles,Charles Ernest	Lecturer	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Knowles,James Robert	Teaching Assoc Professor	English	Grad Faculty	English
Koch Jr, Frank H	Adjunct Assoc Professor	For & Envir Res Acad Research	Affiliate Grad Faculty	For & Envir Res Acad Research
Koch,Carl C.	Named Distinguished Professor	Materials Science &Engineering	Grad Faculty	Materials Science &Engineering
Koch,Joanna Greer	Teaching Asst Professor	TELS	Grad Faculty	TELS
Koch,Steven E	Adjunct Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Kochersberger,Robert C.	Emeritus Associate Professor	English	Grad Faculty	English
Kochtcheeva,Lada Vyacheslavovna	Assoc Professor	Public & International Affairs	Grad Faculty	Public & International Affairs
Koci,Matthew D.	Professor	Prestage Poultry Science	Grad Faculty	Prestage Poultry Science
Kocurek,Michael J	Emeritus Professor	Forest Biomaterials	Grad Faculty	Forest Biomaterials
Koenning PhD,Stephen Robert	Emeritus Research Assoc Prof	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Kogan,Irina Aleksandrovna	Assoc Professor	Mathematics	Grad Faculty	Mathematics
Kolar,Praveen	Assoc Professor	Biological And Agricultural En	Grad Faculty	Biological And Agri Engr
Kolb,John Ronald	Emeritus Professor	Sci, Tech, Engr & Math (STEM)	Grad Faculty	Sci, Tech, Engr & Math (STEM)
Kolbas,Robert Michael	Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Komarnytsky,Slavko	Assoc Professor	Kannapolis Research	Grad Faculty	Food,Bioprocess & Nutrition Sc
Kon,Thomas Matthew	Asst Professor	Horticultural Science	Grad Faculty	Horticultural Science
Konrad II,Charles Edward	Adjunct Assoc Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Konsler,Thomas R.	Emeritus Professor	Horticultural Science	Grad Faculty	Horticultural Science
Kordick,Stephanie	Adjunct Asst Professor	Dept-Population,Health,Pathobi	Affiliate Grad Faculty	Population Health&Pathobiology
Kornegay,Julia L	Professor	Horticultural Science	Grad Faculty	Horticultural Science
Korobkina,Ekaterina		Nuclear Reactor Program	Grad Faculty	
Kosenko,Kama A	Assoc Professor	Communication	Grad Faculty	Communication
Kosovic PhD,Branko	Adjunct Assoc Professor	Mar, Earth & Atmos Sci Grad-Tm	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Koster,Emlyn H	Adjunct Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Kotek,Richard	Assoc Professor	Textile Engineering, Chemistry	Grad Faculty	Textile Engr Chemistry & Sci
Kotter-Gruehn,Dana		Psychology	Affiliate Grad Faculty	
Kouri,Richard Ellis	Adjunct Professor	Biomedical Program - ENG	Affiliate Grad Faculty	Biomedical Program-Engineering
Koutsos,Elizabeth A	Adjunct Professor	Animal Science	Affiliate Grad Faculty	Animal Science
Kowalsky,Mervyn J	Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Kowolenko,Michael David		Lab for Analytic Sciences	Affiliate Grad Faculty	
Krakovsky,Matthew David	USDA Assoc Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Kramer,Jonathan Charles	Teaching Professor	Music	Affiliate Grad Faculty	Interdisciplinary Studies
Krasnyanski,Sergei Fedorovich	Adjunct Assoc Professor	Horticultural Science	Affiliate Grad Faculty	Horticultural Science
Kraus,Helen Tyler	Assoc Professor	Horticultural Science	Grad Faculty	Horticultural Science
Kraus,Philip Allan	Adjunct Assoc Professor	Nuclear Engineering	Affiliate Grad Faculty	Nuclear Engr
Krause,Wendy E.	Assoc Professor	Textile Engineering, Chemistry	Grad Faculty	Textile Engr Chemistry & Sci
Krawczyk,Katherine Ann	Professor	Accounting-Poole COM	Grad Faculty	Accounting-Poole COM
Krim,Hamid	Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Krim,Jacqueline	Professor	Physics	Grad Faculty	Physics
Krings,Alexander	Assoc Professor	Plant and Microbial Biology	Grad Faculty	Plant and Microbial Biology
Krishnamurthy,Srinivasan	Assoc Professor	Business Management-Poole COM	Grad Faculty	Business Management-Poole COM
Kropaczek,David	Adjunct Professor	Nuclear Engineering	Grad Faculty	Nuclear Engr
Krotee,March Lee	Emeritus Professor	Health and Exercise Studies	Grad Faculty	
Krupa,Erin	Asst Professor	Sci, Tech, Engr & Math (STEM)	Grad Faculty	Sci, Tech, Engr & Math (STEM)
Krute,Linda D	Adjunct Asst Professor	College Of Engineering-dean's	Grad Faculty	State Climate Office - AGNET
Kudenov,Michael W	Assoc Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Kulesza,Stephanie Brooke	Asst Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Kulkarni,Raveendra Rangarao	Asst Professor	Dept-Population,Health,Pathobi	Grad Faculty	Population Health&Pathobiology
Kullman,Seth William	Professor	Biological Sciences	Grad Faculty	Biological Sciences
Kumah,Divine Philip	Asst Professor	Physics	Grad Faculty	Physics
Kunkel,Kenneth E	Research Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Kuraparthi,Vasu	Assoc Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Kuzma,Jennifer	Named Professor	Public & International Affairs	Grad Faculty	Public & International Affairs
Kuznetsov,Andrey Valerevich	Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Kwak,Thomas J	USDI Professor	Applied Ecology	Grad Faculty	Applied Ecology
Kwon,Cassandra Hyun	Research Asst Professor	Thermal Protection & Comfort C	Affiliate Grad Faculty	Textile Engr Chemistry & Sci
LaBarr,Aric David	Assoc Professor	Advanced Analytics	Affiliate Grad Faculty	Economics-Poole COM
LaBean,Thomas H	Professor	Materials Science &Engineering	Grad Faculty	Materials Science &Engineering
Laber,Eric Benjamin	Professor	Statistics	Grad Faculty	Statistics
Lackey,Carolyn Jean	Emeritus Professor	Agricultural & Human Sciences	Grad Faculty	Agricultural & Human Sciences
Lackmann,Gary M.	Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Lada,Thomas J.	Lecturer	Mathematics	Grad Faculty	Mathematics
Lada,Thomas J.	Emeritus Professor	Mathematics	Grad Faculty	Mathematics
Lado Jr,Fred	Emeritus Professor	Physics	Grad Faculty	Physics
Laffitte,Bryan W	Assoc Professor	Graphic & Industrial Design	Grad Faculty	Graphic & Industrial Design
Lahiri,Soumendra Nath	Adjunct Professor	Statistics	Grad Faculty	Statistics
Laing,Arlene G	Adjunct Assoc Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Laleicke,Paul Frederik	Asst Professor	Forest Biomaterials	Grad Faculty	Forest Biomaterials
Lalush,David S	Assoc Professor	Biomedical Program - ENG	Grad Faculty	Biomedical Program-Engineering
Lamar,Traci Ann May	Professor	Textile & Apparel, Technology	Grad Faculty	Textile & Apparel Tech & Mgmt

Lamb,Harold Henry	Professor	Chemical & Biomolecular Engr	Grad Faculty	Chemical & Biomolecular Engr.
Lancia,Richard Angelo	Emeritus Professor	For & Envir Res Acad Research	Grad Faculty	For & Envir Res Acad Research
Lane,Jeffrey William	Adjunct Assoc Professor	Nuclear Engineering	Affiliate Grad Faculty	Nuclear Engr
Laney,Reid W	Adjunct Asst Professor	Applied Ecology	Affiliate Grad Faculty	Applied Ecology
Lang PhD,Albert Joseph	Adjunct Asst Professor	For & Envir Res Acad Research	Affiliate Grad Faculty	For & Envir Res Acad Research
Langerhans,Randall Brian	Assoc Professor	Biological Sciences	Grad Faculty	Biological Sciences
Langfelder,Leonard J.	Emeritus Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Langley,Ricky Lee	Adjunct Asst Professor	Biological Sciences	Affiliate Grad Faculty	Biological Sciences
Lanier,Tyre C.	Emeritus Professor	Food,Bioprocess & Nutrition Sc	Grad Faculty	Food,Bioprocess & Nutrition Sc
Lanou,Randall S		Architecture	Affiliate Grad Faculty	
Lanzas,Cristina	Assoc Professor	Dept-Population,Health,Pathobi	Grad Faculty	Population Health&Pathobiology
Laplante PhD,Caroline	Asst Professor	Dept Molecular Biomedical Scie	Grad Faculty	Dept Molecular Biomedical Sci
Lapp,John S.	Emeritus Professor	Economics-Poole COM	Grad Faculty	Economics-Poole COM
Lari,Pooneh	Adjunct Asst Professor	ELPHD	Affiliate Grad Faculty	ELPHD
Lari,Pooneh	Teaching Asst Professor	ELPHD	Affiliate Grad Faculty	ELPHD
Larick,Duane K.	Professor	Exec Vice Chancellor & Provost	Grad Faculty	Food,Bioprocess & Nutrition Sc
Larson,Lincoln Ray	Asst Professor	Parks, Recreation & Tourism Mg	Grad Faculty	Parks Recreation & Tourism Mg
Larson,Sarah Michelle	Asst Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Lascelles,Duncan X.	Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Lassiter,Charles A.	Emeritus Professor	Animal Science	Grad Faculty	Animal Science
Laster,Scott M.	Professor	Biological Sciences	Grad Faculty	Biological Sciences
Lau,Christopher S	Adjunct Professor	Dept Molecular Biomedical Scie	Affiliate Grad Faculty	Dept Molecular Biomedical Sci
Laux,Dorianne Louise	Professor	English	Grad Faculty	English
Lavelle,Jerome Philip	Assoc Professor	College Of Engineering-dean's	Grad Faculty	Textile Engr Chemistry & Sci
Lavery,John	Adjunct Professor	Mathematics	Affiliate Grad Faculty	Mathematics
Lavoine,Nathalie Marie	Asst Professor	Forest Biomaterials	Grad Faculty	Forest Biomaterials
Lavopa,Anthony J.	Emeritus Professor	History	Grad Faculty	History
Law,Jerry M	Professor	Dept-Population,Health,Pathobi	Grad Faculty	Population Health&Pathobiology
Layman,Craig Anthony		Applied Ecology	Grad Faculty	
Lazzi,Gianluca	Adjunct Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
LeBeau,James Michael	Adjunct Assoc Professor	Materials Science &Engineering	Grad Faculty	Materials Science &Engineering
LeBlanc,Gerald Andre	Professor	Biological Sciences	Grad Faculty	Biological Sciences
LePrevost,Catherine Elizabeth	Teaching Assoc Professor	Applied Ecology	Grad Faculty	Applied Ecology
Leach,James Woodrow	Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Lebude,Anthony V	Assoc Professor	Horticultural Science	Grad Faculty	Horticultural Science
Leduc,Sharon K	Adjunct Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Lee PhD,Kangjae	Asst Professor	Parks, Recreation & Tourism Mg	Grad Faculty	Parks Recreation & Tourism Mg
Lee,Bongmook	Research Asst Professor	Adv Self-pwr Sys Integr SensrT	Grad Faculty	Electrical & Computer Engr.
Lee,Dean Junyuel		Physics	Grad Faculty	
Lee,Dean Junyuel	Adjunct Professor	Physics	Grad Faculty	Physics
Lee,Hollylynne Stohl	Professor	Sci, Tech, Engr & Math (STEM)	Grad Faculty	Sci, Tech, Engr & Math (STEM)
Lee,John Kelly	Professor	TELS	Grad Faculty	TELS
Lee,Joshua Alexander	Emeritus Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Lee,Nicole Marie	Asst Professor	Communication	Grad Faculty	Communication
Lee,Susanna M	Assoc Professor	History	Grad Faculty	History
Lee,Yuan-Shin	Professor	Fitts Dept Indust & Syst Engr	Grad Faculty	Fitts Dept Indust & Syst Engr
Leggett,Zakiya Holmes	Asst Professor	For & Envir Res Acad Research	Grad Faculty	For & Envir Res Acad Research
Leidy,Ross Bennett	Emeritus Professor	Biological Sciences	Grad Faculty	Toxicology
Leiter,Jeffrey Carl		Sociology & Anthropology	Grad Faculty	
Leithold,Elana L.	Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Lemaster,Richard L		Forest Biomaterials	Grad Faculty	
Lerning,Michael Lloyd	Emeritus Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Leon Gonzalez,Ramon Gonzalo	Asst Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Leonard,Rebecca	Emeritus Associate Professor	Communication	Grad Faculty	Communication
Leonas,Karen	Professor	Textile & Apparel, Technology	Grad Faculty	Textile & Apparel Tech & Mgmt
Lester II,James C	Distinguished Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Leung,Kent Kwan Ho	Research Asst Professor	Physics	Grad Faculty	Physics
Leung,Yu-Fai	Professor	Parks, Recreation & Tourism Mg	Grad Faculty	Parks Recreation & Tourism Mg
Levenbook,Barbara B.	Professor	Philosophy & Religious Studies	Grad Faculty	Philosophy & Religious Studies
Levere,Thomas E.	Emeritus Professor	Psychology	Grad Faculty	Psychology
Levin,Harold D.	Emeritus Associate Professor	Philosophy & Religious Studies	Grad Faculty	Philosophy & Religious Studies
Levine DVM,Jay Frederick	Professor	Marine, Earth And Atmospheric	Grad Faculty	Population Health&Pathobiology
Levine PhD,Norman Seth	Adjunct Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Levings III,Charles S	Emeritus Named Distng'd Prof	Biological Sciences	Grad Faculty	Genetics
Levis,James William	Research Asst Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Levy PhD,Michael Green	Emeritus Professor	Dept-Population,Health,Pathobi	Grad Faculty	Population Health&Pathobiology
Lewald,Carol Ann	Teaching Asst Professor	Interdisciplinary Studies	Affiliate Grad Faculty	Sociology & Anthropology
Lewbart,Gregory A	Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Lewellen,Christina Maria	Asst Professor	Accounting-Poole COM	Grad Faculty	Accounting-Poole COM
Lewis,Ramsey S	Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Lewis,William M.	Emeritus Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Lewitow,Alan J	Adjunct Asst Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Ley,David H.	Emeritus Professor	Dept-Population,Health,Pathobi	Grad Faculty	Population Health&Pathobiology
Li,Bailian	Professor	Office of Global Engagement	Grad Faculty	For & Envir Res Acad Research
Li,Fanxing	Assoc Professor	Chemical & Biomolecular Engr	Grad Faculty	Chemical & Biomolecular Engr.
Li,Jun	Adjunct Asst Professor	Nuclear Engineering	Affiliate Grad Faculty	Nuclear Engr
Li,Lingjuan Wang	Professor	Biological And Agricultural En	Grad Faculty	Biological And Agri Engr
Li,Xu	Assoc Professor	Plant and Microbial Biology	Grad Faculty	Plant and Microbial Biology
Li,Zheng	Asst Professor	Ag & Resource Economics	Grad Faculty	Ag & Resource Economics
Li,Zhilin	Professor	Mathematics	Grad Faculty	Mathematics
Liao,Chia yueh	Asst Professor	Public & International Affairs	Affiliate Grad Faculty	Public & International Affairs
Liao,Wenjie	Adjunct Asst Professor	Sociology & Anthropology	Grad Faculty	Sociology & Anthropology

Lidman,Tye	Asst Professor	Mathematics	Grad Faculty	Mathematics
Liebl,Rex	Adjunct Professor	Crop & Soil Sciences	Affiliate Grad Faculty	Crop & Soil Sciences
Ligler,Frances Smith	Named Distinguished Professor	Biomedical Program - ENG	Grad Faculty	Biomedical Program-Engineering
Ligler,George Todd	Professor of the Practice	Biomedical Program - ENG	Grad Faculty	Biomedical Program-Engineering
Ligon,James M	Adjunct Assoc Professor	Plant and Microbial Biology	Affiliate Grad Faculty	Microbiology
Lila,Mary Ann	Distinguished Professor	Kannapolis Research	Grad Faculty	Food,Bioprocess & Nutrition Sc
Lilley,Stephen C.	Emeritus Associate Professor	Sociology & Anthropology	Grad Faculty	Sociology And Anthropology
Lilly,John P.	Emeritus Associate Professor	Crop & Soil Sciences	Grad Faculty	Soil Science
Lim,Phooi K.	Professor	Chemical & Biomolecular Engr	Grad Faculty	Chemical & Biomolecular Engr.
Lim,Shuang Fang	Assoc Professor	Physics	Grad Faculty	Physics
Lin,Jing	Adjunct Assoc Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Lin,Shih-Chun	Asst Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Lin,Weili	Professor	Biomedical Program - ENG	Grad Faculty	Biomedical Program-Engineering
Lin,Xiao-Biao	Professor	Mathematics	Grad Faculty	Mathematics
Lindbo,David L		Crop & Soil Sciences	Grad Faculty	
Linder,Keith E	Clinical Professor	Dept-Population,Health,Pathobi	Grad Faculty	Population Health&Pathobiology
Lindsay,Edwin Keith	Teaching Assoc Professor	Parks, Recreation & Tourism Mg	Affiliate Grad Faculty	Parks Recreation & Tourism Mg
Lindsay,Vincent	Asst Professor	Chemistry	Grad Faculty	Chemistry
Lindsey,Jonathan S	Named Distinguished Univ Prof	Chemistry	Grad Faculty	Chemistry
Linker,Harry M.	Emeritus Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Linnehan,Richard	Visiting Asst Professor	Dept of Clinical Sciences	Affiliate Grad Faculty	Dept of Clinical Sciences
List,George F	Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Little,Trevor J.	Professor	Textile & Apparel, Technology	Grad Faculty	Textile & Apparel Tech & Mgmt
Littlejohn,Deborah K	Assoc Professor	Graphic & Industrial Design	Grad Faculty	Graphic & Industrial Design
Littlejohn,Michael A.	Emeritus Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Liu,Hsiao-Ching	Professor	Animal Science	Grad Faculty	Animal Science
Liu,Huiging	Adjunct Asst Professor	Mar, Earth & Atmos Sci Grad-Tm	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Liu,Jing-pu	Assoc Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Liu,Jun	Asst Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Liu,Min	Named Distinguished Associate	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Liu,Ricky Ini	Asst Professor	Mathematics	Grad Faculty	Mathematics
Liu,Tsailu	Professor	Graphic & Industrial Design	Grad Faculty	Graphic & Industrial Design
Liu,Wusheng	Asst Professor	Horticultural Science	Grad Faculty	Horticultural Science
Liu,Xiaojing	Asst Professor	Biochemistry	Grad Faculty	Biochemistry
Liu,Yunan	Assoc Professor	Operations Research-engr	Grad Faculty	Fitts Dept Indust & Syst Engr
Livingston III,David P	USDA Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Livingston,Kimberly Ann	Asst Professor	Prestage Poultry Science	Grad Faculty	Prestage Poultry Science
Lloyd,Alun L.	Professor	Mathematics	Grad Faculty	Mathematics
Lloyd,Cheryl L.	Adjunct Asst Professor	Administration - Extension Ser	Affiliate Grad Faculty	4-H Youth Dev & Fam & Cons Sci
Lobaton PhD,Edgar	Assoc Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Locke,Anna Michelle	USDA Asst Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Locklear,Eddie Lee	Emeritus Associate Professor	Agricultural & Human Sciences	Grad Faculty	Agricultural & Human Sciences
Lohr,Kathy Diane	Adjunct Asst Professor	ELPHD	Affiliate Grad Faculty	ELPHD
Lomax,Terri Lynn		Plant and Microbial Biology	Grad Faculty	
Lommel,Steven	Named Distinguished Professor	Administration - Research Serv	Grad Faculty	Entomology & Plant Pathology
Long,Raymond Carl	Emeritus Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Long,Terri A.	Assoc Professor	Plant and Microbial Biology	Grad Faculty	Plant and Microbial Biology
Longland,Richard Leigh	Asst Professor	Physics	Grad Faculty	Physics
Longo,Stefano B	Assoc Professor	Sociology & Anthropology	Grad Faculty	Sociology & Anthropology
Loomis,Michael R	Adjunct Asst Professor	Dept of Clinical Sciences	Affiliate Grad Faculty	Dept of Clinical Sciences
Lopez-Uribe,Margarita Maria	Adjunct Asst Professor	Entomology & Plant Pathology	Affiliate Grad Faculty	Entomology & Plant Pathology
Lorenzen,Marce D.	Assoc Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Losordo,Thomas M.	Professor	Biological And Agricultural En	Grad Faculty	Biological And Agri Engr
Louws,Frank John	Professor	Horticultural Science	Grad Faculty	Entomology & Plant Pathology
Lovell,Precious Denita	Assoc Profess of the Practice	Art and Design	Grad Faculty	Art and Design
Lowman,Margaret D	Research Professor	College of Sciences - Dean	Affiliate Grad Faculty	College of Sciences-Dean's Off
Lowrey,Austin S	Emeritus Professor	Graphic & Industrial Design	Grad Faculty	Graphic & Industrial Design
Lstiburek,Milan	Adjunct Assoc Professor	For & Envir Res Acad Research	Affiliate Grad Faculty	For & Envir Res Acad Research
Lu,Ning	Assoc Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Lu,Wenbin	Professor	Statistics	Grad Faculty	Statistics
Lu,Wenchang	Research Assoc Professor	Physics	Affiliate Grad Faculty	Physics
Lubischer,Jane L.	Teaching Assoc Professor	Biological Sciences	Grad Faculty	Biological Sciences
Lubkeman,David Lee	Research Professor	FREEDM Center	Grad Faculty	Electrical & Computer Engr.
Lubkin,Sharon R	Professor	Mathematics	Grad Faculty	Mathematics
Lucas PhD,Debra Jan Willis	Lecturer	TELS	Affiliate Grad Faculty	TELS
Lucas,Elizabeth	Asst Professor	Dept Molecular Biomedical Scie	Grad Faculty	Dept Molecular Biomedical Sci
Lucas,Leon T	Emeritus Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Lucia,Lucian A	Assoc Professor	Forest Biomaterials	Grad Faculty	Forest Biomaterials
Lucier,Gregory W	Research Asst Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Luckadoo,Timothy R		University Housing	Affiliate Grad Faculty	
Lucovsky,Gerald	Emeritus Distinguished Prof	Physics	Grad Faculty	Physics
Luczkovich PhD,Joseph John	Adjunct Assoc Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Luff,Jennifer Ann	Asst Professor	Dept-Population,Health,Pathobi	Grad Faculty	Population Health&Pathobiology
Luginbuhl,Geraldine	Emeritus Professor	Plant and Microbial Biology	Grad Faculty	Microbiology
Luginbuhl,James E.	Emeritus Professor	Psychology	Grad Faculty	Psychology
Luginbuhl,Jean-Marie	Emeritus Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Lukic,Srdjan Miodrag	Assoc Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Lunardi,Leda	Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Lunn,David Paul	Professor	College Of Veterinary Medicine	Grad Faculty	Dept of Clinical Sciences
Lunn,Katharine Fiona	Assoc Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Luo,Hong	Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Lupek,Megan	Lecturer	For & Envir Res Acad Research	Grad Faculty	For & Envir Res Acad Research

Lupton-Smith,Helen S	Teaching Asst Professor	ELPHD	Grad Faculty	ELPHD
Luria,Keith Phillip	Professor	History	Grad Faculty	History
Lyle,Sara K	Assoc Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Lynch PhD,Collin Francis	Asst Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Lynch,Alex Michael	Asst Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Lyons,Kevin M	Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Ma,Xiaosong	Adjunct Assoc Professor	Computer Science-engr	Affiliate Grad Faculty	Computer Science-Engr
Mabrito,Robert Alan	Assoc Professor	Philosophy & Religious Studies	Grad Faculty	Philosophy & Religious Studies
MacKay,Trudy F.	Adjunct Professor	Biological Sciences	Grad Faculty	Biological Sciences
MacKethan,Lucinda H.	Emeritus Professor	English	Grad Faculty	English
MacNair,Douglas J	Adjunct Asst Professor	Ag & Resource Economics	Affiliate Grad Faculty	Ag & Resource Economics
Macdonald,Jeffrey M	Assoc Professor	Biomedical Program - ENG	Grad Faculty	Biomedical Program-Engineering
Machado,Gustavo	Asst Professor	Dept-Population,Health,Pathobi	Grad Faculty	Population Health&Pathobiology
Mack,Katherine Jean	Asst Professor	Physics	Grad Faculty	Physics
Mackenzie Jr,John M	Professor	Biochemistry	Grad Faculty	Microbiology
Magallanes,Fernando H.	Assoc Professor	Landscape Architecture	Grad Faculty	Landscape Architecture
Maggard Jr,Paul Anthony	Assoc Professor	Chemistry	Grad Faculty	Chemistry
Maggi,Ricardo G.	Research Assoc Professor	Dept of Clinical Sciences	Affiliate Grad Faculty	Dept of Clinical Sciences
Magill,Michele M.	Emeritus Associate Professor	Foreign Languages And Literatu	Grad Faculty	Foreign Languages and Lit
Mahaffey,James W.	Professor	Biological Sciences	Grad Faculty	Biological Sciences
Maher,Michael J	Adjunct Asst Professor	College Of Education	Grad Faculty	TELS
Mahinthakumar,Gnanamanikam	Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Mahoney,Kelly M	Adjunct Asst Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Mainland,Charles Michael	Emeritus Professor	Horticultural Science	Grad Faculty	Horticultural Science
Maity,Arnab	Assoc Professor	Statistics	Grad Faculty	Statistics
Malarkey,David E	Adjunct Asst Professor	Dept-Population,Health,Pathobi	Affiliate Grad Faculty	Population Health&Pathobiology
Malecha,Marvin J	Emeritus Professor	College of Design	Grad Faculty	Architecture
Mallette,Bruce Ingram	Adjunct Assoc Professor	ELPHD	Affiliate Grad Faculty	Adult & Higher Education
Maltecca,Christian	Assoc Professor	Animal Science	Grad Faculty	Animal Science
Manfra,Meghan McGlinn	Assoc Professor	TELS	Grad Faculty	TELS
Mannshardt,Elizabeth Catherine	Adjunct Asst Professor	Statistics	Affiliate Grad Faculty	Statistics
Mansmann,Richard A.	Clinical Professor	Dept of Clinical Sciences	Affiliate Grad Faculty	Dept of Clinical Sciences
Manzoni,Anna	Assoc Professor	Sociology & Anthropology	Grad Faculty	Sociology & Anthropology
Marcellin,Denis J		Dept of Clinical Sciences	Grad Faculty	
Marcellin,Denis J	Adjunct Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Marchant Montenegro,Hernan Pedro	Adjunct Professor	Fitts Dept Indust & Syst Engr	Grad Faculty	Fitts Dept Indust & Syst Engr
Marchi PhD,Dudley Michael	Professor	Art and Design	Grad Faculty	Art and Design
Margolis,Stephen E.	Professor	Foreign Languages And Literatu	Grad Faculty	Foreign Languages and Lit
Mari,Jorge	Emeritus Professor	Economics-Poole COM	Grad Faculty	Economics-Poole COM
Maria,Jon-Paul	Professor	Foreign Languages And Literatu	Grad Faculty	Foreign Languages and Lit
Mariani,Christopher L.	Emeritus Professor	Materials Science &Engineering	Grad Faculty	Materials Science &Engineering
Markham,Stephen K	Assoc Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Marks,Steven L	Professor	Mgmt, Innovation&Entrepreneur	Grad Faculty	Business Management-Poole COM
Marlin,Joe A.	Clinical Professor	College Of Veterinary Medicine	Affiliate Grad Faculty	Dept of Clinical Sciences
Marra,Michele C	Emeritus Professor	Mathematics	Grad Faculty	Mathematics
Marsden,Kurt	Emeritus Professor	Ag & Resource Economics	Grad Faculty	Ag & Resource Economics
Marshall,David S.	Asst Professor	Biological Sciences	Grad Faculty	Biological Sciences
Marshall,Patricia L	USDA Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Martens,Christopher Robin	Professor	TELS	Grad Faculty	TELS
Martin Jr,Robert H	Asst Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Martin,David W	Professor	Mathematics	Grad Faculty	Mathematics
Martin,Donald Eugene Kemp	Emeritus Professor	Psychology	Grad Faculty	Psychology
Martin,Elijah H	Assoc Professor	Statistics	Grad Faculty	Statistics
Martin,James D	Adjunct Assoc Professor	Nuclear Engineering	Affiliate Grad Faculty	Nuclear Engr
Martin,Katherine Lee	Professor	Chemistry	Grad Faculty	Chemistry
Martin,Linda Dintaman	Asst Professor	For & Envir Res Acad Research	Grad Faculty	For & Envir Res Acad Research
Martin,Louis A		Urban Affairs & Community Serv	Grad Faculty	
Martin,Michael Patrick	Professor	College Of Engineering-dean's	Grad Faculty	Fitts Dept Indust & Syst Engr
Martin,Ryan Glenn	Adjunct Assoc Professor	Prestage Poultry Science	Affiliate Grad Faculty	Prestage Poultry Science
Martinez Pelsor PhD,Marilyn N	Assoc Professor	Statistics	Grad Faculty	Statistics
Maslow,Lindsey Haynes	Adjunct Professor	Dept-Population,Health,Pathobi	Affiliate Grad Faculty	Population Health&Pathobiology
Mason,Jennifer Elizabeth	Asst Professor	Agricultural & Human Sciences	Grad Faculty	Agricultural & Human Sciences
Massad,Jordan E	Adjunct Asst Professor	Fitts Dept Indust & Syst Engr	Affiliate Grad Faculty	Fitts Dept Indust & Syst Engr
Mastromauro,Michael Louis	Adjunct Asst Professor	Mathematics	Affiliate Grad Faculty	Mathematics
Mathews,Gary Lynn	Clinical Asst Professor	Dept of Clinical Sciences	Affiliate Grad Faculty	Dept of Clinical Sciences
Mathews,Kyle G	Teaching Assoc Professor	Foreign Languages And Literatu	Affiliate Grad Faculty	Foreign Languages and Lit
Matsuda,Noboru	Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Matthews,Brian	Assoc Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Matthews,Daniel W	Teaching Asst Professor	Sci, Tech, Engr & Math (STEM)	Affiliate Grad Faculty	Sci, Tech, Engr & Math (STEM)
Matthews,Delisia Raychelle	Emeritus Associate Professor	Agricultural & Human Sciences	Grad Faculty	Agricultural & Human Sciences
Matthews,Jessica Look	Asst Professor	Textile & Apparel, Technology	Grad Faculty	Textile & Apparel Tech & Mgmt
Matthews,Jessica Look		NC Inst of Climate Studies	Affiliate Grad Faculty	
Mattingly,Carolyn Jane	Adjunct Asst Professor	Mathematics	Affiliate Grad Faculty	Mathematics
Mattingly,John Kelly	Professor	Biological Sciences	Grad Faculty	Biological Sciences
Matzen,Vernon C.	Assoc Professor	Nuclear Engineering	Grad Faculty	Nuclear Engr
Matzinger,Dale F.	Emeritus Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Maultsby,Bevin Laurel	Emeritus Professor	Biological Sciences	Grad Faculty	Genetics
Maxa,Edward L.	Teaching Asst Professor	Mathematics	Affiliate Grad Faculty	Mathematics
Maxwell,Earl S.	Emeritus Associate Professor	Agricultural & Human Sciences	Grad Faculty	Agricultural & Human Sciences
Maxwell,Mildred Gordon May	Professor	Biochemistry	Grad Faculty	Biochemistry
May,Leila S	Adjunct Asst Professor	ELPHD	Affiliate Grad Faculty	ELPHD
	Professor	English	Grad Faculty	English

Mayer,Roger C	Professor	Mgmt, Innovation&Entrepreneur	Grad Faculty	Mgmt, Innovation & Entrepreneur
Mayhorn,Christopher Brooke	Professor	Psychology	Grad Faculty	Psychology
Mayorga,Maria Esther	Professor	Fitts Dept Indust & Syst Engr	Grad Faculty	Fitts Dept Indust & Syst Engr
Maze,Benoit	Research Asst Professor	Nonwovens Institute	Grad Faculty	Textile Engr Chemistry & Sci
Maze,Benoit	Research Asst Professor	Textile Engineering, Chemistry	Grad Faculty	Textile Engr Chemistry & Sci
Mazzoleni,Andre P	Assoc Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
McAllister,David Franklin	Emeritus Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
McAvoy,Paula	Asst Professor	TELS	Grad Faculty	TELS
McCall,Patricia Lou	Emeritus Professor	Sociology & Anthropology	Grad Faculty	Sociology & Anthropology
McCarter,James B		For & Envir Res Acad Research	Grad Faculty	
McCarty,Gregory S	Research Assoc Professor	Chemistry	Grad Faculty	Chemistry
McClelland,Jacquelyn W.	Emeritus Professor	Agricultural & Human Sciences	Grad Faculty	Agricultural & Human Sciences
McConnell,Brandon Mark	Research Asst Professor	Fitts Dept Indust & Syst Engr	Grad Faculty	Fitts Dept Indust & Syst Engr
McConnell,David A	Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
McCord,Marian G	Professor	College of Natural Resources	Grad Faculty	Forest Biomaterials
McCorkle,Jill Collins	Professor of the Practice	English	Affiliate Grad Faculty	English
McCraw,Roger Lee	Emeritus Professor	Animal Science	Grad Faculty	Animal Science
McCreery,John K	Emeritus Associate Professor	Business Management-Poole COM	Grad Faculty	Business Management-Poole COM
McDermid,Elizabeth A.	Emeritus Associate Professor	Business Management-Poole COM	Grad Faculty	Business Management-Poole COM
McDonald III,Bruce D.	Assoc Professor	Public & International Affairs	Grad Faculty	Public & International Affairs
McDonald,Steven J	Professor	Sociology & Anthropology	Grad Faculty	Sociology & Anthropology
McEachin PhD,Andrew Josef	Adjunct Asst Professor	ELPHD	Affiliate Grad Faculty	ELPHD
McElroy,Michael B.	Emeritus Associate Professor	Economics-Poole COM	Grad Faculty	Economics-Poole COM
McFeeters,Rogell Floyd	Emeritus USDA Prof	Food,Bioprocess & Nutrition Sc	Grad Faculty	Food,Bioprocess & Nutrition Sc
McGahan,Mary C.	Professor	College of Sciences - Dean	Grad Faculty	Dept Molecular Biomedical Sci
McGavern,Dorian Brice	Adjunct Professor	Dept-Population,Health,Pathobi	Affiliate Grad Faculty	Population Health&Pathobiology
McGill,Alicia Ebbitt	Asst Professor	History	Grad Faculty	History
McGill,Dru Evan	Asst Professor	Sociology & Anthropology	Grad Faculty	Sociology & Anthropology
McGinnis,Michelle S.	Adjunct Professor	Horticultural Science	Affiliate Grad Faculty	Horticultural Science
McGowan PhD,Kristie Lee	Professor of the Practice	Master of Management	Grad Faculty	Business Management-Poole COM
McGowan,Herlie M	Teaching Assoc Professor	Statistics	Grad Faculty	Statistics
McGraw,Darryl Dana	Adjunct Asst Professor	ELPHD	Affiliate Grad Faculty	Adult & Higher Education
McIlwee I,John Clinton		University Theatre	Affiliate Grad Faculty	
McInnis,William Dale	Adjunct Asst Professor	ELPHD	Affiliate Grad Faculty	ELPHD
McKeand,Steven Edward	Professor	Tree Improvement Cooperative	Grad Faculty	For & Envir Res Acad Research
McKee,Katherine Elizabeth	Asst Professor	Agricultural & Human Sciences	Grad Faculty	Agricultural & Human Sciences
McKenzie,Wendell Herbert	Emeritus Professor	Biological Sciences	Grad Faculty	Genetics
McKeown,Julia O'Neal	Teaching Asst Professor	TELS	Grad Faculty	TELS
McKerrow,Alexa J	Adjunct Asst Professor	Applied Ecology	Affiliate Grad Faculty	Applied Ecology
McKinney,Thearon T.	Emeritus Professor	Agricultural & Human Sciences	Grad Faculty	Agricultural & Human Sciences
McLaughlin,Anne Collins	Professor	Psychology	Grad Faculty	Psychology
McLaughlin,Gail C.	Professor	Physics	Grad Faculty	Physics
McLaughlin,Levi	Assoc Professor	Philosophy & Religious Studies	Grad Faculty	Philosophy & Religious Studies
McLaughlin,Richard A	Professor	Crop & Soil Sciences	Grad Faculty	Soil Science
McMahon,Gerard	Adjunct Professor	Applied Ecology	Affiliate Grad Faculty	Applied Ecology
McManus,Shea Connolly	Asst Professor	Sociology & Anthropology	Grad Faculty	Sociology & Anthropology
McMillan III,William Owen		Biological Sciences	Affiliate Grad Faculty	
McMillan III,William Owen	Adjunct Assoc Professor	Genetics	Affiliate Grad Faculty	Genetics
McMullen Jr,Richard J.		Dept of Clinical Sciences	Affiliate Grad Faculty	
McNinch,Jesse E.	Adjunct Asst Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
McNulty,Steven George	USDA Professor	For & Envir Res Acad Research	Grad Faculty	For & Envir Res Acad Research
McRae,David S.	Emeritus Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
McRae,Gail G.	Emeritus Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
McTague,John Paul	Adjunct Professor	For & Envir Res Acad Research	Affiliate Grad Faculty	For & Envir Res Acad Research
Mcginley,Kathleen Ann	Adjunct Asst Professor	For & Envir Res Acad Research	Affiliate Grad Faculty	For & Envir Res Acad Research
Meade,Adam W	Professor	Psychology	Grad Faculty	Psychology
Mechem,David B	Adjunct Asst Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Medhin,Negash G.	Professor	Mathematics	Grad Faculty	Mathematics
Meentemeyer,Ross Kendall	Professor	Ctr. for Geospatial Analytics	Grad Faculty	For & Envir Res Acad Research
Megalos,Mark Arthur	Extension Professor	Forestry Extension	Grad Faculty	For & Envir Res Acad Research
Meiklejohn,Kelly Ann	Asst Professor	Dept-Population,Health,Pathobi	Grad Faculty	Population Health&Pathobiology
Meilleur,Flora	Assoc Professor	Biochemistry	Grad Faculty	Biochemistry
Meitzen,John Edward	Assoc Professor	Biological Sciences	Grad Faculty	Biological Sciences
Mell,Julie L	Assoc Professor	History	Grad Faculty	History
Mellen Charron,Katherine	Assoc Professor	History	Grad Faculty	History
Melton III,Thomas A.	Named Professor	Ag And Natural Resources/comm	Grad Faculty	Entomology & Plant Pathology
Menegatti,Stefano	Asst Professor	Chemical & Biomolecular Engr	Grad Faculty	Chemical & Biomolecular Engr.
Meng,John	Adjunct Assoc Professor	Textile & Apparel, Technology	Affiliate Grad Faculty	Textile & Apparel Tech & Mgmt
Menzies,Timothy James	Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Mera,Roberto Javier	Lecturer	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Merrill,Melissa Schuster	Professor	Animal Science	Grad Faculty	Animal Science
Mershon,Donald H.	Emeritus Professor	Psychology	Grad Faculty	Psychology
Mertz,John P	Assoc Professor	Foreign Languages And Literatu	Grad Faculty	Foreign Languages and Lit
Meskhidze,Nicholas	Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Messenger,Kristen Michele	Asst Professor	Dept Molecular Biomedical Scie	Grad Faculty	Dept Molecular Biomedical Sci
Messura,Mark Alan	Adjunct Assoc Professor	Textile & Apparel, Technology	Affiliate Grad Faculty	Textile & Apparel Tech & Mgmt
Meurs,Kathryn Montgome	Professor	College Of Veterinary Medicine	Grad Faculty	Dept of Clinical Sciences
Meuten,Donald J.	Emeritus Professor	Dept-Population,Health,Pathobi	Grad Faculty	Population Health&Pathobiology
Meyer Jr,Carl	Emeritus Professor	Mathematics	Grad Faculty	Mathematics
Meyer,John R.		Entomology & Plant Pathology	Grad Faculty	
Meyers,Walter E.	Emeritus Professor	English	Grad Faculty	English
Mian,Rouf M	USDA Professor	Crop & Soil Sciences	Affiliate Grad Faculty	Crop & Soil Sciences

Michael,Joan J	Emeritus Professor	Psychology	Grad Faculty	Psychology
Michielsen,Stephen	Professor	Textile Engineering, Chemistry	Grad Faculty	Textile Engr Chemistry & Sci
Michnowicz,James Casimir	Professor	Foreign Languages And Literatu	Grad Faculty	Foreign Languages and Lit
Mickle,James E.	Professor	Plant and Microbial Biology	Grad Faculty	Plant and Microbial Biology
Middleton,Teena F	Adjunct Asst Professor	Prestage Poultry Science	Affiliate Grad Faculty	Prestage Poultry Science
Midgett,Arion Kennedy	Asst Professor	Biochemistry	Grad Faculty	Biochemistry
Mielke,Jeffrey Ingle	Professor	English	Grad Faculty	English
Mikaelyan,Aram Arshak	Asst Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Mikail,Rajib	Adjunct Asst Professor	Electrical & Computer Engr.	Affiliate Grad Faculty	Electrical & Computer Engr.
Milholland,Robert D.	Emeritus Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Milla-Lewis,Susana Rita	Assoc Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Millar,Joseph H	Asst Professor of the Practice	English	Affiliate Grad Faculty	English
Miller III,Thomas Kenan	Distinguished Professor	DELTA	Grad Faculty	Electrical & Computer Engr.
Miller,Carolyn Rae	Emeritus Professor	English	Grad Faculty	English
Miller,Eric S.	Professor	Plant and Microbial Biology	Grad Faculty	Plant and Microbial Biology
Miller,Grady L.	Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Miller,Victoria Mayne	Asst Professor	Materials Science &Engineering	Grad Faculty	Materials Science &Engineering
Miller,W J	Professor	English	Grad Faculty	English
Miller,William Laubach	Emeritus Professor	Biochemistry	Grad Faculty	Biochemistry
Millhauser,John K	Assoc Professor	Sociology & Anthropology	Grad Faculty	Sociology & Anthropology
Mills,Luther Scott	Adjunct Professor	For & Envir Res Acad Research	Affiliate Grad Faculty	For & Envir Res Acad Research
Minogue,James	Assoc Professor	TELS	Grad Faculty	Elementary Education
Minter Jr,Larry J	Adjunct Asst Professor	Dept of Clinical Sciences	Affiliate Grad Faculty	Dept of Clinical Sciences
Miranda,Lilian Mia	Adjunct Asst Professor	Crop & Soil Sciences	Affiliate Grad Faculty	Crop & Soil Sciences
Mishra I,Santosh Kumar	Asst Professor	Dept Molecular Biomedical Scie	Grad Faculty	Dept Molecular Biomedical Sci
Misra,Kailash Chandra	Professor	Mathematics	Grad Faculty	Mathematics
Misra,Veena	Distinguished Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Mitas,Lubos	Distinguished University Prof	Physics	Grad Faculty	Physics
Mitasova,Helena	Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Mitchell,Anne W	Professor	History	Grad Faculty	History
Mitchell,Gary E.	Emeritus Professor	Physics	Grad Faculty	Physics
Mitchell,Karlynn	Assoc Professor	Business Management-Poole COM	Grad Faculty	Business Management-Poole COM
Mitchell,Philip H	Assoc Professor	Forest Biomaterials	Grad Faculty	Forest Biomaterials
Mitchell,Roger Emmit	Emeritus Associate Professor	Psychology	Grad Faculty	Psychology
Mitchell,Rolanda Levica	Teaching Asst Professor	ELPHD	Grad Faculty	ELPHD
Mitin,Dmitri	Teaching Asst Professor	Public & International Affairs	Grad Faculty	Public & International Affairs
Moazed,Khosrow L.	Emeritus Professor	Materials Science &Engineering	Grad Faculty	Materials Science &Engineering
Mock,Gary N.	Emeritus Professor	Textile Engineering, Chemistry	Grad Faculty	Textile Engr Chemistry & Sci
Mody,Sujata Sudhakar	Assoc Professor	Foreign Languages And Literatu	Grad Faculty	Foreign Languages and Lit
Moeser,Adam James	Adjunct Assoc Professor	Dept-Population,Health,Pathobi	Grad Faculty	Population Health&Pathobiology
Mohamed,Mansour H.	Emeritus Distinguished Prof	Textile Engineering, Chemistry	Grad Faculty	Textile Engr Chemistry & Sci
Mohiti Asli,Mahsa	Adjunct Asst Professor	Biomedical Program - ENG	Affiliate Grad Faculty	Biomedical Program-Engineering
Mojica,Gemma Foust		Friday Institute	Affiliate Grad Faculty	
Monaco,Malina K.		College Of Education	Affiliate Grad Faculty	
Monaco,Thomas J.	Emeritus Professor	Horticultural Science	Grad Faculty	Horticultural Science
Monahan,John F.	Emeritus Professor	Statistics	Grad Faculty	Statistics
Moneta,Larry	Adjunct Asst Professor	ELPHD	Affiliate Grad Faculty	Adult & Higher Education
Money,Eric Shane	Teaching Asst Professor	Ctr. for Geospatial Analytics	Grad Faculty	For & Envir Res Acad Research
Monks,David W.	Professor	Administration - Research Serv	Grad Faculty	Horticultural Science
Monteiro-Riviere,Nancy A	Emeritus Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Montgomery,Terry G	Adjunct Assoc Professor	Textile & Apparel, Technology	Affiliate Grad Faculty	Textile Engr Chemistry & Sci
Montgomery,Terry G	Adjunct Assoc Professor	Textile Engineering, Chemistry	Affiliate Grad Faculty	Textile Engr Chemistry & Sci
Monti Belmonte,Julio	Asst Professor	Physics	Grad Faculty	Physics
Montlouis-Gabriel,Johanna	Asst Professor	Foreign Languages And Literatu	Grad Faculty	Foreign Languages and Lit
Montoya,Brina Mortensen	Asst Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Moog,Robert S.	Emeritus Associate Professor	Public & International Affairs	Grad Faculty	Public & International Affairs
Moog,Robert S.	Teaching Asst Professor	Public & International Affairs	Grad Faculty	Public & International Affairs
Moore Jr,Harry B	Emeritus Professor	Entomology & Plant Pathology	Grad Faculty	Entomology
Moore Sr,Charles Lee	Emeritus Professor	Ag & Resource Economics	Grad Faculty	Ag & Resource Economics
Moore,Catherine E.	Emeritus Associate Professor	English	Grad Faculty	English
Moore,Gary E.	Emeritus Professor	Agricultural & Human Sciences	Grad Faculty	Agricultural & Human Sciences
Moore,Jeannette A	Professor	Animal Science	Grad Faculty	Animal Science
Moore,Kathryn M.		College Of Education	Grad Faculty	
Moore,Marguerite Murray	Professor	Textile & Apparel, Technology	Grad Faculty	Textile & Apparel Tech & Mgmt
Moore,Robin C.	Professor	Landscape Architecture	Grad Faculty	Landscape Architecture
Moore,Roger Louis	Emeritus Associate Professor	Parks, Recreation & Tourism Mg	Grad Faculty	Parks Recreation & Tourism Mg
Moore,Samuel Bascom	Adjunct Assoc Professor	Textile & Apparel, Technology	Affiliate Grad Faculty	Textile & Apparel Tech & Mgmt
Moore,Susan Elizabeth		For & Envir Res Acad Research	Grad Faculty	
Moorman,Christopher E	Professor	Fisheries and Wildlife Program	Grad Faculty	For & Envir Res Acad Research
Morais,Duarte B.	Assoc Professor	Parks, Recreation & Tourism Mg	Grad Faculty	Parks Recreation & Tourism Mg
Morant,Tamah Chesney	Teaching Professor	PCOM OUP	Affiliate Grad Faculty	Economics-Poole COM
Moreland,Charles G.	Emeritus Professor	Ofc of Research & Innovation	Grad Faculty	Ofc of Research & Innovation
Morgado,Patricia E	Assoc Professor	Architecture	Grad Faculty	Architecture
Morillo,John D	Professor	English	Grad Faculty	English
Morrill,Melinda Sandler	Assoc Professor	Economics-Poole COM	Grad Faculty	Economics-Poole COM
Morrill,Thayer Stephen	Assoc Professor	Economics-Poole COM	Grad Faculty	Economics-Poole COM
Morris Jr,James Adiel	Adjunct Asst Professor	Applied Ecology	Affiliate Grad Faculty	Applied Ecology
Morrison,John M.	Adjunct Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Morrissey,Sharon E	Adjunct Asst Professor	ELPHD	Affiliate Grad Faculty	ELPHD
Morrow,William M	Emeritus Professor	Animal Science	Grad Faculty	Animal Science
Motsinger-Reif,Alison Anne	Adjunct Professor	Statistics	Grad Faculty	Statistics
Mott,Bradford Wayne	Adjunct Asst Professor	Computer Science-engr	Affiliate Grad Faculty	Computer Science-Engr

Mouat Croxatto,Cecilia	Asst Professor	Art and Design	Grad Faculty	Art and Design
Mowat,Freya Margarete	Asst Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Moxley,Robert Lonnie	Emeritus Professor	Sociology & Anthropology	Grad Faculty	Sociology And Anthropology
Moyer,James W.	Emeritus Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Mozdziak,Paul Edward	Professor	Prestage Poultry Science	Grad Faculty	Prestage Poultry Science
Muddiman,David C	Professor	CHEM - Metric	Grad Faculty	Chemistry
Mueller,James Paul	Emeritus Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Mueller,Rainer Frank	Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Mulholland,James Stephen	Assoc Professor	English	Grad Faculty	English
Mullen,Michael David	Professor	Acad Stu Aff-VC and Dean Off	Grad Faculty	Soil Science
Muller,Marie	Asst Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Mulligan,James C.	Emeritus Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Mulvey,Kelly Lynn Sara	Asst Professor	Psychology	Grad Faculty	Psychology
Mulvey,Paul W	Assoc Professor	Mgmt, Innovation&Entrepreneur	Grad Faculty	Business Management-Poole COM
Munana,Karen R	Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Murphy,Joseph Paul	Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Murphy-Hill,Emerson R	Adjunct Assoc Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Murr,Natalie Simona	Clinical Professor	Psychology	Affiliate Grad Faculty	Psychology
Murray,David Seth	Teaching Assoc Professor	Interdisciplinary Studies	Grad Faculty	Sociology & Anthropology
Murty,Korukonda Linga	Professor	Nuclear Engineering	Grad Faculty	Nuclear Engr
Muse,Spencer V	Professor	Statistics	Grad Faculty	Statistics
Mustian,Robert David	Emeritus Professor	Agricultural & Human Sciences	Grad Faculty	Sociology & Anthropology
Musulin,Sarah E.	Clinical Assoc Professor	Dept of Clinical Sciences	Affiliate Grad Faculty	Dept of Clinical Sciences
Muth,John F	Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Myers,Richard M.	Emeritus Professor	Animal Science	Grad Faculty	Animal Science
Mykyta,Larysa Anna	Assoc Professor	Foreign Languages And Literatu	Grad Faculty	Foreign Languages and Lit
Nacoste,Rupert W.	Professor	Psychology	Grad Faculty	Psychology
Nadelman,Martin H	Adjunct Asst Professor	ELPHD	Affiliate Grad Faculty	Adult & Higher Education
Naderman Jr,George C	Emeritus Associate Professor	Crop & Soil Sciences	Grad Faculty	Soil Science
Nagel,Robert T.	Emeritus Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Nagle Jr,H Troy	Distinguished Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Nair,Ramachandran D.	Adjunct Assoc Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Nalepa,Christine	Adjunct Assoc Professor	Entomology & Plant Pathology	Affiliate Grad Faculty	Entomology
Nam,Chang S	Professor	Fitts Dept Indust & Syst Engr	Grad Faculty	Fitts Dept Indust & Syst Engr
Nance,Mark T	Assoc Professor	Public & International Affairs	Grad Faculty	Public & International Affairs
Narayan,Jagdish	Named Distinguished Professor	Materials Science &Engineering	Grad Faculty	Materials Science &Engineering
Narayan,Roger Jagdish	Professor	Biomedical Program - ENG	Grad Faculty	Biomedical Program-Engineering
Narayanaswamy,Venkateswaran	Assoc Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Nascone-Yoder,Nanette M	Assoc Professor	Dept Molecular Biomedical Scie	Grad Faculty	Dept Molecular Biomedical Sci
Nason,James M	Named Distinguished Professor	Economics-Poole COM	Grad Faculty	Economics-Poole COM
Nassar,Sylvia Christine Maria	Professor	ELPHD	Grad Faculty	ELPHD
Nau,James M.	Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Neal,Joseph C	Professor	Horticultural Science	Grad Faculty	Horticultural Science
Neel,Jennifer A	Professor	College Of Veterinary Medicine	Grad Faculty	Population Health&Pathobiology
Neilson,Andrew Peter	Assoc Professor	Kannapolis Research	Grad Faculty	Food,Bioprocess & Nutrition Sc
Nelson Sagues,Natalie Genevieve	Asst Professor	Biological And Agricultural En	Grad Faculty	Biological And Agri Engr
Nelson,Claudia	Adjunct Assoc Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Nelson,Elizabeth Atwood	Teaching Assoc Professor	Communication	Grad Faculty	Communication
Nelson,Paul V.	Emeritus Professor	Horticultural Science	Grad Faculty	Horticultural Science
Nelson,Stacy Arnold Charles	Professor	FER-Ctr for Earth Observation	Grad Faculty	For & Envir Res Acad Research
Nepal,Prakash	Research Asst Professor	For & Envir Res Acad Research	Affiliate Grad Faculty	For & Envir Res Acad Research
Nestor PhD,Casey C	Asst Professor	Animal Science	Grad Faculty	Animal Science
Netherland,Michael D	Adjunct Assoc Professor	Crop & Soil Sciences	Affiliate Grad Faculty	Crop & Soil Sciences
Neufeld,Edward B	Adjunct Assoc Professor	Dept-Population,Health,Pathobi	Affiliate Grad Faculty	Population Health&Pathobiology
Neunzig,Herbert H.	Emeritus Professor	Entomology & Plant Pathology	Grad Faculty	Entomology
Neupert,Shevaun D.	Professor	Psychology	Grad Faculty	Psychology
Nevzorov,Alexander A	Assoc Professor	Chemistry	Grad Faculty	Chemistry
Newcom,Douglas Wyatt	Adjunct Asst Professor	Animal Science	Affiliate Grad Faculty	Animal Science
Newmark,Craig M.	Adjunct Assoc Professor	Economics-Poole COM	Affiliate Grad Faculty	Economics-Poole COM
Nfah-Abbenyi PhD,Juliana Makuchi	Distinguished Professor	English	Grad Faculty	English
Ngaile,Gracious	Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Nguyen PhD,Tien Khai	Asst Professor	Mathematics	Grad Faculty	Mathematics
Nichols,Elizabeth Guthrie	Professor	For & Envir Res Acad Research	Grad Faculty	For & Envir Res Acad Research
Niedzlek-Feaver,Marianne	Assoc Professor	Biological Sciences	Grad Faculty	Biological Sciences
Nielsen,Dahlia M.	Assoc Professor	Biological Sciences	Grad Faculty	Biological Sciences
Nielsen,Larry Andrew	Emeritus Professor	For & Envir Res Acad Research	Grad Faculty	For & Envir Res Acad Research
Nietfeld,John	Professor	TELS	Grad Faculty	TELS
Nilsson,Arne	Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Nilsson,Urban Jan	Adjunct Professor	For & Envir Res Acad Research	Affiliate Grad Faculty	For & Envir Res Acad Research
Ning,Peng	Adjunct Professor	Computer Science-engr	Affiliate Grad Faculty	Computer Science-Engr
Nix,Carol Lynn		Crafts Center	Affiliate Grad Faculty	
Niyogi,Devdutta S	Adjunct Asst Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Njie,Haddy M	Teaching Asst Professor	Interdisciplinary Studies	Affiliate Grad Faculty	Psychology
Noble,Richard L.	Emeritus Professor	Applied Ecology	Grad Faculty	Applied Ecology
Nolan,Jennifer Anne	Assoc Professor	English	Grad Faculty	English
Nolan,Michael Warren	Assoc Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Noormets,Asko		For & Envir Res Acad Research	Grad Faculty	
Nordone,Shila Kapil	Research Asst Professor	Dept Molecular Biomedical Scie	Grad Faculty	Dept Molecular Biomedical Sci
Norris,Larry Keith	Assoc Professor	Mathematics	Grad Faculty	Mathematics
Norwalk,Kate	Asst Professor	Psychology	Grad Faculty	Psychology
Nowell,Branda L	Professor	Public & International Affairs	Grad Faculty	Public & International Affairs
Nunnally,Stephens W.	Emeritus Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering

Nuttle, Henry Lee	Teaching Professor	Fitts Dept Indust & Syst Engr	Grad Faculty	Fitts Dept Indust & Syst Engr
O'Brien, Gail W	Emeritus Professor	History	Grad Faculty	History
O'Connor, Brendan Timothy	Assoc Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
O'Neal, William G.	Adjunct Professor	Textile Engineering, Chemistry	Affiliate Grad Faculty	Textile Engr Chemistry & Sci
Obenour, Daniel R	Asst Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Oberhardt, Bruce J	Adjunct Professor	Biomedical Program - ENG	Affiliate Grad Faculty	Biomedical Program-Engineering
Oblinger, Diana G	Adjunct Professor	ELPHD	Affiliate Grad Faculty	Crop & Soil Sciences
Oblinger, James Leslie	Emeritus Professor	Food, Bioprocess & Nutrition Sc	Grad Faculty	Food, Bioprocess & Nutrition Sc
Oden Jr, Robert Dwight	Adjunct Lecturer	Electrical & Computer Engr.	Affiliate Grad Faculty	Electrical & Computer Engr.
Odle, Jack	Named Distinguished Professor	Animal Science	Grad Faculty	Animal Science
Odom, Janice E	Adjunct Asst Professor	Alumni Relations	Affiliate Grad Faculty	Interdisciplinary Studies
Oduor PhD, Kenya		Computer Sci-Engr Grads & Temp	Affiliate Grad Faculty	
Ogan, Kemafor	Assoc Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Ojiambo, Peter	Assoc Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Olby, Natasha J	Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Oliver, Kevin M	Professor	TELS	Grad Faculty	TELS
Oliver-Hoyo, Maria Teresa	Professor	College of Sciences - Dean	Grad Faculty	Chemistry
Olivry, Thierry J	Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Ollis, David Frederick	Distinguished University Prof	Chemical & Biomolecular Engr	Grad Faculty	Chemical & Biomolecular Engr.
Olson, Barry A	Adjunct Professor	Acad Stu Aff-Business Adm	Affiliate Grad Faculty	ELPHD
Olson, Jonathan W	Assoc Professor	Biological Sciences	Grad Faculty	Biological Sciences
Olsson, Mats	Adjunct Professor	For & Envir Res Acad Research	Affiliate Grad Faculty	For & Envir Res Acad Research
Oltmans, Arnold W.	Emeritus Associate Professor	Ag & Resource Economics	Grad Faculty	Ag & Resource Economics
Olufsen, Mette	Professor	Mathematics	Grad Faculty	Mathematics
Olukolu, Bode A	Adjunct Asst Professor	Horticultural Science	Affiliate Grad Faculty	Horticultural Science
Oneal Jr, John B	Emeritus Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Opperman, Charles H.	Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Oralkan, Omer	Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Orders, Amy Buchanan	Adjunct Asst Professor	Environmental Health & Safety	Affiliate Grad Faculty	ELPHD
Orgeron PhD, Devin A.	Emeritus Professor	English	Grad Faculty	English
Ormond, Robert B	Asst Professor	Textile Engineering, Chemistry	Grad Faculty	Textile Engr Chemistry & Sci
Orndorff, Paul E.	Emeritus Professor	Dept-Population, Health, Pathobi	Grad Faculty	Population Health&Pathobiology
Orr, David B	Assoc Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Orr, Miriam E	Professor	English	Grad Faculty	English
Ortiz, Alejandra Campbell	Asst Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Osborne, Jason A.	Professor	Statistics	Grad Faculty	Statistics
Osborne, Susan Sinclair	Emeritus Associate Professor	TELS	Grad Faculty	TELS
Osburn, Carlton M.	Emeritus Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Osburn, Christopher Lee	Assoc Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Osburn, Monica Zozone		Counseling Services	Affiliate Grad Faculty	
Osmond, Deanna L	Professor	Crop & Soil Sciences	Grad Faculty	Soil Science
Ottesen, Johnny T.	Adjunct Professor	Mathematics	Affiliate Grad Faculty	Mathematics
Otto, Luther B.	Emeritus Distinguished Prof	Sociology & Anthropology	Grad Faculty	Sociology And Anthropology
Otvos, James D	Adjunct Professor	Biochemistry	Affiliate Grad Faculty	Biochemistry
Overstreet III, Norman Andrew	Adjunct Asst Professor	ELPHD	Affiliate Grad Faculty	ELPHD
Overton, Margery F.	Professor	Exec Vice Chancellor & Provost	Grad Faculty	Civil, Const & Env Engineering
Oviedo-Rondon, Edgar Orlando	Professor	Prestage Poultry Science	Grad Faculty	Prestage Poultry Science
Owen Jr, James Stetter	Adjunct Assoc Professor	Horticultural Science	Affiliate Grad Faculty	Horticultural Science
Oxenham, William		Textile & Apparel, Technology	Grad Faculty	
Oxenham, William		Textile Engineering, Chemistry	Grad Faculty	
Oxenham, William	Emeritus Named Distng'd Prof	Textile Engineering, Chemistry	Grad Faculty	Textile Engr Chemistry & Sci
Ozaltin, Osman Yalin	Asst Professor	Fitts Dept Indust & Syst Engr	Grad Faculty	Fitts Dept Indust & Syst Engr
Ozdemir PhD, Ozgur		Electrical & Computer Engr.	Affiliate Grad Faculty	
Ozturk, Hatice Orun	Teaching Professor	Biomedical Program - ENG	Affiliate Grad Faculty	Electrical & Computer Engr.
Ozturk, Mehmet Cevdet	Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Pacifici, Jamian Krishna	Asst Professor	Fisheries and Wildlife Program	Grad Faculty	For & Envir Res Acad Research
Pacifici, Lara B	Teaching Assoc Professor	For & Envir Res Acad Research	Grad Faculty	For & Envir Res Acad Research
Paciulli, Lisa M	Lecturer	Biological Sciences	Affiliate Grad Faculty	Biological Sciences
Padilla, Arthur	Professor	Mgmt, Innovation&Entrepreneur	Grad Faculty	Mgmt, Innovation & Entrepreneu
Paepfow, Colleen Margaret	Lecturer	College Of Education	Affiliate Grad Faculty	TELS
Paerl, Ryan William	Asst Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Paesler, Michael	Professor	Physics	Grad Faculty	Physics
Pagach, Donald P	Professor	Accounting-Poole COM	Grad Faculty	Accounting-Poole COM
Page PhD, Lavon Barry	Emeritus Associate Professor	Mathematics	Grad Faculty	Mathematics
Painter, Jason L		The Science House-Sciences	Affiliate Grad Faculty	The Science House-COS
Painter, Jason L	Adjunct Asst Professor	TELS	Affiliate Grad Faculty	TELS
Pal, Lokendra	Assoc Professor	Forest Biomaterials	Grad Faculty	Forest Biomaterials
Palmquist, Raymond B.	Emeritus Professor	Economics-Poole COM	Grad Faculty	Economics-Poole COM
Palmtag, Scott Parker	Research Professor	Nuclear Engineering	Grad Faculty	Nuclear Engr
Pancorbo, Jennifer		BTEC-Biomfg Training Ed Ctr	Affiliate Grad Faculty	BTEC-Biomanuf Training Ed Ctr
Pandolfo, Tamara Jane	Teaching Asst Professor	For & Envir Res Acad Research	Grad Faculty	For & Envir Res Acad Research
Pang, Tao	Assoc Professor	Mathematics	Grad Faculty	Mathematics
Pankow, Mark R	Asst Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Panthee, Dilip Raj	Assoc Professor	Horticultural Science	Grad Faculty	Horticultural Science
Pantic, Zeljko	Assoc Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Papich, Mark G	Professor	Dept Molecular Biomedical Scie	Grad Faculty	Dept Molecular Biomedical Sci
Papp, David	Asst Professor	Mathematics	Grad Faculty	Mathematics
Parajuli, Rajan	Asst Professor	Forestry Extension	Grad Faculty	For & Envir Res Acad Research
Parcel, Toby L	Professor	Sociology & Anthropology	Grad Faculty	Sociology & Anthropology
Pardue, Anita Ann		Student Centers	Affiliate Grad Faculty	
Pardue, Samuel Lloyd		CALS - Academic Programs	Grad Faculty	
Park PhD, Soonhye	Assoc Professor	Sci, Tech, Engr & Math (STEM)	Grad Faculty	Sci, Tech, Engr & Math (STEM)

Park PhD, Travis Dale	Assoc Professor	Agricultural & Human Sciences	Grad Faculty	Agricultural & Extension Edu
Park, John C.	Emeritus Associate Professor	Sci, Tech, Engr & Math (STEM)	Grad Faculty	Sci, Tech, Engr & Math (STEM)
Park, Sunkyuu	Assoc Professor	Forest Biomaterials	Grad Faculty	Forest Biomaterials
Parker III, George W.	Emeritus Associate Professor	Physics	Grad Faculty	Physics
Parker III, Samuel Thomas	Professor	History	Grad Faculty	History
Parker, George Randolph	Adjunct Asst Professor	ELPHD	Affiliate Grad Faculty	ELPHD
Parker, Matthew David	Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Parker, Michael L.	Assoc Professor	Horticultural Science	Grad Faculty	Horticultural Science
Parks, Leo W.	Emeritus Professor	Plant and Microbial Biology	Grad Faculty	Microbiology
Parks, Lisa D	Teaching Professor	Biological Sciences	Affiliate Grad Faculty	Biological Sciences
Parnin, Christopher Joseph	Asst Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Parramore, Barbara M.		Urban Affairs & Community Serv	Grad Faculty	
Parrillo-Chapman, Lisa Lynne	Assoc Professor	Textile & Apparel, Technology	Grad Faculty	Textile & Apparel Tech & Mgmt
Parrish, Erin Dodd	Adjunct Assoc Professor	Textile & Apparel, Technology	Affiliate Grad Faculty	Textile & Apparel Tech & Mgmt
Parsons, Gregory N	Named Professor	Chemical & Biomolecular Engr	Grad Faculty	Chemical & Biomolecular Engr.
Pasalar, Celen	Asst Professor	Landscape Architecture	Grad Faculty	Landscape Architecture
Paskova, Tania Milkova	Adjunct Professor	Materials Science & Engineering	Grad Faculty	Materials Science & Engineering
Paskova, Tania Milkova	Research Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Pasque, Penny Ann	Professor	ELPHD	Grad Faculty	ELPHD
Pasquinelli, Melissa Anne	Professor	College of Natural Resources	Grad Faculty	Forest Biomaterials
Pasten, Jose Agustín	Professor	Foreign Languages And Literatu	Grad Faculty	Foreign Languages and Lit
Patala, Srikanth	Asst Professor	Materials Science & Engineering	Grad Faculty	Materials Science & Engineering
Patisaul, Heather B.	Professor	Biological Sciences	Grad Faculty	Biological Sciences
Patrick, Jason Fredrick	Asst Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Patterson, Robert P.	Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Patty, Richard R.	Emeritus Professor	Physics	Grad Faculty	Physics
Paulette, Tate Sewell	Asst Professor	History	Grad Faculty	History
Paur, Sandra	Emeritus Associate Professor	Mathematics	Grad Faculty	Mathematics
Pavlidis, Spyridon	Asst Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Pawlak, Joel Justin	Assoc Professor	Forest Biomaterials	Grad Faculty	Forest Biomaterials
Payn, Kitt Garnet	Asst Professor	Tree Improvement Cooperative	Grad Faculty	For & Envir Res Acad Research
Payne, Gary A.	Emeritus Named Distng'd Prof	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Payton, Fay Cobb	Professor	Business Management-Poole COM	Grad Faculty	Business Management-Poole COM
Peace, Robert Lynn	Emeritus Professor	Accounting-Poole COM	Grad Faculty	Accounting-Poole COM
Peacock, Charles H.	Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Pearce, Douglas K.	Professor	Economics-Poole COM	Grad Faculty	Economics-Poole COM
Pearson, Jamie Nicole	Asst Professor	TELS	Grad Faculty	TELS
Pearson, Richard G.	Emeritus Professor	Fitts Dept Indust & Syst Engr	Grad Faculty	Fitts Dept Indust & Syst Engr
Pearson, Richard G.	Emeritus Professor	Psychology	Grad Faculty	Fitts Dept Indust & Syst Engr
Pearson, Ronald G.	Emeritus Professor	Forest Biomaterials	Grad Faculty	Forest Biomaterials
Peck, Emily Mann	Adjunct Professor	Mathematics	Affiliate Grad Faculty	Mathematics
Peedin, Gerald Franklin	Emeritus Named Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Peet, Mary Monnig	Emeritus Professor	Horticultural Science	Grad Faculty	Horticultural Science
Pelletier, Denis	Assoc Professor	Economics-Poole COM	Grad Faculty	Economics-Poole COM
Pemper, Richard Ronald	Adjunct Professor	Nuclear Engineering	Affiliate Grad Faculty	Nuclear Engr
Pendlebury, Michael John	Professor	Philosophy & Religious Studies	Grad Faculty	Philosophy & Religious Studies
Peng, Xinxia	Assoc Professor	Dept Molecular Biomedical Scie	Grad Faculty	Dept Molecular Biomedical Sci
Penick, John E	Emeritus Professor	Sci, Tech, Engr & Math (STEM)	Grad Faculty	Sci, Tech, Engr & Math (STEM)
Pennell, Joan Thrush		Ctr Fam & Community Engagement	Grad Faculty	
Pennell, Joan Thrush	Emeritus Professor	Social Work	Grad Faculty	Social Work
Pennington, Robin	Assoc Professor	Accounting-Poole COM	Grad Faculty	Accounting-Poole COM
Penrose, Ann M.	Emeritus Professor	English	Grad Faculty	English
Peralta, Perry N	Assoc Professor	Forest Biomaterials	Grad Faculty	Forest Biomaterials
Perera, Imara Yasmin	Research Professor	Plant and Microbial Biology	Grad Faculty	Plant and Microbial Biology
Peretti, Steven W.	Assoc Professor	Chemical & Biomolecular Engr	Grad Faculty	Chemical & Biomolecular Engr.
Perez Diaz, Ilenys Muniz	USDA Asst Professor	Food, Bioprocess & Nutrition Sc	Grad Faculty	Food, Bioprocess & Nutrition Sc
Perez de Leon, Adalberto A	Adjunct Professor	Entomology & Plant Pathology	Affiliate Grad Faculty	Entomology & Plant Pathology
Perkins-Veazie PhD, Penelope M	Professor	Horticultural Science	Grad Faculty	Horticultural Science
Perros, Harilaos George	Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Perros, Helen C.	Teaching Asst Professor	History	Affiliate Grad Faculty	History
Peszlen, Ilona Maria	Assoc Professor	Forest Biomaterials	Grad Faculty	Forest Biomaterials
Peters, Kara Jo	Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Peterson, Markus Nils	Professor	Fisheries and Wildlife Program	Grad Faculty	For & Envir Res Acad Research
Peterson, Matthew O	Asst Professor	Graphic & Industrial Design	Grad Faculty	Graphic & Industrial Design
Peterson, Richard Eric	Emeritus Associate Professor	Sci, Tech, Engr & Math (STEM)	Grad Faculty	Sci, Tech, Engr & Math (STEM)
Peterson, Wilbur Carroll	Emeritus Associate Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Petherbridge, Donna Tucker	Adjunct Asst Professor	DELTA	Affiliate Grad Faculty	ELPHD
Petitte, James N	Professor	Prestage Poultry Science	Grad Faculty	Prestage Poultry Science
Petriz, Olivia Anne	Asst Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Petters, Markus Dirk Jan	Assoc Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Petters, Robert M.	Professor	Animal Science	Grad Faculty	Animal Science
Petty, Ian T	Professor	DELTA	Grad Faculty	Biological Sciences
Philbrick, C Russell	Research Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Phillips, Richard Busbee	Adjunct Professor	Forest Biomaterials	Affiliate Grad Faculty	Forest Biomaterials
Phillips, Shannon Elizabeth	Professor	Animal Science	Grad Faculty	Animal Science
Phillips, Sharon Baker	Adjunct Asst Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Picart, Jose' A	Professor	ELPHD	Grad Faculty	ELPHD
Pickworth, Carrie L	Asst Professor	Animal Science	Grad Faculty	Animal Science
Piedrahita, Jorge A	Professor	Dept Molecular Biomedical Scie	Grad Faculty	Dept Molecular Biomedical Sci
Pierce, Joshua Glenn	Assoc Professor	Chemistry	Grad Faculty	Chemistry
Pierce, Marcela	Assoc Professor	Plant and Microbial Biology	Grad Faculty	Plant and Microbial Biology
Pierson, Julie Ann Paula		Student Health Services	Affiliate Grad Faculty	

Pierson,Julie Ann Paula	Adjunct Assoc Professor	Biological Sciences	Affiliate Grad Faculty	Biological Sciences
Pietrafesa,Leonard J.	Emeritus Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Pigg,Stacey L	Assoc Professor	English	Grad Faculty	English
Piggott,Nicholas E	Professor	Ag & Resource Economics	Grad Faculty	Ag & Resource Economics
Pilkington,Dwain H.	Emeritus Professor	Food,Bioprocess & Nutrition Sc	Grad Faculty	Food,Bioprocess & Nutrition Sc
Pillsbury,Harold C	Professor	Biomedical Program - ENG	Grad Faculty	Biomedical Program-Engineering
Pinton,Gianmarco Francesco	Asst Professor	Biomedical Program - ENG	Grad Faculty	Biomedical Program-Engineering
Place,Wayne	Professor	Architecture	Grad Faculty	Architecture
Planchart,Antonio	Assoc Professor	Biological Sciences	Grad Faculty	Biological Sciences
Plume,Vita Karina	Emeritus Associate Professor	Art and Design	Grad Faculty	Art and Design
Poindexter Jr,Julius C	Emeritus Associate Professor	Business Management-Poole COM	Grad Faculty	Business Management-Poole COM
Pointer,William David	Adjunct Assoc Professor	Nuclear Engineering	Affiliate Grad Faculty	Nuclear Engr
Poling,Edward B.	Emeritus Professor	Horticultural Science	Grad Faculty	Horticultural Science
Polizzotto,Matthew L	Adjunct Assoc Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Pollack,Jeffrey M	Assoc Professor	Mgmt, Innovation&Entrepreneur	Grad Faculty	Mgmt, Innovation & Entrepreneu
Pollock,Kenneth Hugh	Emeritus Professor	Applied Ecology	Grad Faculty	Applied Ecology
Polyak,Emil	Asst Professor	Art and Design	Grad Faculty	Art and Design
Pond III,Samuel B.	Assoc Professor	Psychology	Grad Faculty	Psychology
Poole,Daniel Heath	Assoc Professor	Animal Science	Grad Faculty	Animal Science
Poore,Matt H	Professor	Animal Science	Grad Faculty	Animal Science
Pope,Carol A.	Emeritus Professor	TELS	Grad Faculty	TELS
Porter,Stephen Robert	Professor	ELPHD	Grad Faculty	ELPHD
Porterfield,Jane Anne	Asst Professor	Textile & Apparel, Technology	Grad Faculty	Textile & Apparel Tech & Mgmt
Posner,Lysa Pam	Professor	Dept Molecular Biomedical Scie	Grad Faculty	Dept Molecular Biomedical Sci
Post,Angela Rose	Asst Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Post,Justin Blaise	Teaching Assoc Professor	Statistics	Grad Faculty	Statistics
Potter,Kevin M	Research Assoc Professor	For & Envir Res Acad Research	Grad Faculty	For & Envir Res Acad Research
Pour-Ghaz,Mohammad	Assoc Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Pourdeyhim,Behnam	Adjunct Professor	Chemical & Biomolecular Engr	Grad Faculty	Chemical & Biomolecular Engr.
Pourdeyhim,Behnam	Named Distinguished Professor	College Of Textiles-dean's Off	Grad Faculty	Textile Engr Chemistry & Sci
Powell Jr,Merle A	Emeritus Professor	Horticultural Science	Grad Faculty	Horticultural Science
Powell,Elizabeth Erin	Asst Professor	Mgmt, Innovation&Entrepreneur	Affiliate Grad Faculty	Mgmt, Innovation & Entrepreneu
Powell,Nancy C.	Emeritus Professor	Textile & Apparel, Technology	Grad Faculty	Textile & Apparel Tech & Mgmt
Powell,Nathaniel T.	Emeritus Named Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Powell,Roger A.	Emeritus Professor	Applied Ecology	Grad Faculty	Applied Ecology
Prak,Anco L.	Emeritus Named Professor	Fitts Dept Indust & Syst Engr	Grad Faculty	Fitts Dept Indust & Syst Engr
Prater,John T.	Adjunct Professor	Materials Science &Engineering	Affiliate Grad Faculty	Materials Science &Engineering
Prestemon,Jeffrey P	Adjunct Professor	For & Envir Res Acad Research	Affiliate Grad Faculty	For & Envir Res Acad Research
Presutti,David G	Teaching Asst Professor	Biochemistry	Affiliate Grad Faculty	Biochemistry
Price Jr,Charles Edwiin	Teaching Asst Professor	ELPHD	Affiliate Grad Faculty	ELPHD
Price,Thomason William	Asst Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Prioli,Carmine A.	Emeritus Professor	English	Grad Faculty	
Pritchard,Ruie J.	Emeritus Professor	TELS	Grad Faculty	TELS
Prockter,Louise M	Adjunct Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Proestos,Giorgio Talotti	Asst Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Proulx,Caroline	Asst Professor	Chemistry	Grad Faculty	Chemistry
Puckett,Brandon Joel	Adjunct Asst Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Puckett,Paige Rollins		Biological And Agricultural En	Affiliate Grad Faculty	
Puckett,Paige Rollins	Adjunct Asst Professor	Biological And Agricultural En	Affiliate Grad Faculty	Biological And Agri Engr
Purnell,Marshall E.	Professor of the Practice	Architecture	Grad Faculty	Architecture
Purnell,Robert C	Adjunct Professor	For & Envir Res Acad Research	Affiliate Grad Faculty	For & Envir Res Acad Research
Purrington,Suzanne Townsend	Emeritus Professor	Chemistry	Grad Faculty	Chemistry
Puryear,Bobby Lee	Lecturer	Economics-Poole COM	Affiliate Grad Faculty	Economics-Poole COM
Puryear,Bobby Lee	Emeritus Teaching Professor	Economics-Poole COM	Affiliate Grad Faculty	Economics-Poole COM
Puryear,Stephen Montague	Assoc Professor	Philosophy & Religious Studies	Grad Faculty	Philosophy & Religious Studies
Putcha,Mohan Sastri	Emeritus Professor	Mathematics	Grad Faculty	Mathematics
Qu,Rongda	Emeritus Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Queen,Sara Glee	Assoc Professor	Architecture	Grad Faculty	Architecture
Quesada PhD,Lina Maria	Assoc Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Quesenberry,Charles P.	Emeritus Professor	Statistics	Grad Faculty	Statistics
Quorllo,Barbara Alice	Research Asst Professor	Dept of Clinical Sciences	Affiliate Grad Faculty	Dept of Clinical Sciences
Rabiei,Afsaneh	Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Race,Shaina L	Teaching Asst Professor	Advanced Analytics	Affiliate Grad Faculty	Mathematics
Rahman,M. Shamimur	Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Rajala,Sarah Ann	Emeritus Professor	College Of Engineering-dean's	Grad Faculty	Electrical & Computer Engr.
Ralls,Robert Scott	Adjunct Professor	ELPHD	Affiliate Grad Faculty	Adult & Higher Education
Ralston,Victoria Neal	Lecturer	Interdisciplinary Studies	Affiliate Grad Faculty	Interdisciplinary Studies
Raman,Sethu	Emeritus Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Ramirez-Ulate,Luis Alonso	Professor	Applied Ecology	Grad Faculty	Applied Ecology
Ramsey,J. Michael	Professor	Biomedical Program - ENG	Grad Faculty	Biomedical Program-Engineering
Rand,J. Patrick	Professor	Architecture	Grad Faculty	Architecture
Rand,William Michael	Assoc Professor	Business Management-Poole COM	Grad Faculty	Business Management-Poole COM
Ranjithan,Sanmugavadivel	Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Ranney,Thomas G.	Professor	Horticultural Science	Grad Faculty	Horticultural Science
Rao,Balaji M	Assoc Professor	Chemical & Biomolecular Engr	Grad Faculty	Chemical & Biomolecular Engr.
Rao,S. Trivikrama	Adjunct Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Rappa,Michael A	Named Distinguished Univ Prof	Advanced Analytics	Grad Faculty	Computer Science-Engr
Rasdorf,William John	Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Rasmussen,David Alan	Asst Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Rawlings,John Oren	Emeritus Professor	Statistics	Grad Faculty	Statistics
Raymond,Dana Gordon	Emeritus Associate Professor	Art and Design	Grad Faculty	Art and Design
Reading,Benjamin J	Asst Professor	Applied Ecology	Grad Faculty	Applied Ecology

Reading,Nathan P	Professor	Mathematics	Grad Faculty	Mathematics
Reardon,Robert John	Asst Professor	Public & International Affairs	Grad Faculty	Public & International Affairs
Reaser,Jeffrey Leo	Professor	English	Grad Faculty	English
Reaves,Bradley Galloway	Asst Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Reavis,Dick J	Emeritus Associate Professor	English	Grad Faculty	English
Rebach,Steve	Research Professor	Sea Grant Program	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Reberg-Horton,Samuel Christopher	Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Redding,W Rich	Emeritus Clinical Professor	Dept of Clinical Sciences	Affiliate Grad Faculty	Dept of Clinical Sciences
Reed,Robert E	Adjunct Asst Professor	Applied Aquatic Ecology Center	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Reeves,Baley Akemi		BTEC-Biomfg Training Ed Ctr	Affiliate Grad Faculty	
Reeves,Douglas Stephen	Professor	College Of Engineering-dean's	Grad Faculty	Computer Science-Engr
Reeves,Gregory T	Asst Professor	Chemical & Biomolecular Engr	Grad Faculty	Chemical & Biomolecular Engr.
Regmi,Prafulla	Asst Professor	Prestage Poultry Science	Grad Faculty	Prestage Poultry Science
Reich,Brian J	Assoc Professor	Statistics	Grad Faculty	Statistics
Reichard,Donald L.	Adjunct Asst Professor	ELPHD	Affiliate Grad Faculty	Adult & Higher Education
Reid,Jeffrey Clinton	Adjunct Assoc Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Reid,Traci V.	Assoc Professor	Public & International Affairs	Grad Faculty	Public & International Affairs
Reif,David Michael	Assoc Professor	Biological Sciences	Grad Faculty	Biological Sciences
Reiland,Thomas W.	Assoc Professor	Statistics	Grad Faculty	Statistics
Reisig,Dominic Duane	Assoc Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Reiskind,Martha Burford	Research Asst Professor	Biological Sciences	Grad Faculty	Biological Sciences
Reiskind,Michael Hay	Assoc Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Rejesus,Roderick M.	Professor	Ag & Resource Economics	Grad Faculty	Ag & Resource Economics
Rellán Alvarez,Ruben	Asst Professor	Biochemistry	Grad Faculty	Biochemistry
Renkow,Mitchell Adam	Professor	Ag & Resource Economics	Grad Faculty	Ag & Resource Economics
Reyhanoglu,Mahmut	Teaching Professor	Mechanical & Aerospace Engr	Affiliate Grad Faculty	Mechanical & Aerospace Engr
Reynolds Jr,Claude Lewis	Teaching Professor	Materials Science &Engineering	Grad Faculty	Materials Science &Engineering
Reynolds,Kanton Tyrone	Teaching Assoc Professor	Fitts Dept Indust & Syst Engr	Affiliate Grad Faculty	Fitts Dept Indust & Syst Engr
Reynolds,Peter J	Adjunct Professor	Physics	Affiliate Grad Faculty	Physics
Reynolds,Stephen P.	Professor	Physics	Grad Faculty	Physics
Rhee,Injong	Adjunct Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Rice Jr,James Alan	Emeritus Professor	Applied Ecology	Grad Faculty	Applied Ecology
Rice,Arthur R	Professor	Landscape Architecture	Grad Faculty	Landscape Architecture
Richardson,Kevin Andrew	Asst Professor	Philosophy & Religious Studies	Grad Faculty	Philosophy & Religious Studies
Richardson,Robert Jeryl	Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Ricker,Matthew Clark	Asst Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Ricketts,David	Assoc Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Riddick,Francine Piscitelli	Teaching Asst Professor	ELPHD	Affiliate Grad Faculty	ELPHD
Riddle,John M.	Emeritus Professor	History	Grad Faculty	History
Rider,Traci Rose	Asst Professor	Doctor of Design	Grad Faculty	Architecture
Ridgeway,Don L.	Emeritus Professor	Statistics	Grad Faculty	Statistics
Rieder PhD,David M	Assoc Professor	English	Grad Faculty	English
Rieder,Kathleen Callahan	Assoc Professor	Art and Design	Grad Faculty	Art and Design
Riehn,Robert	Professor	Physics	Grad Faculty	Physics
Rifki,Fatih A.	Emeritus Professor	Architecture	Grad Faculty	Architecture
Riitters,Kurt H	Adjunct Professor	For & Envir Res Acad Research	Affiliate Grad Faculty	For & Envir Res Acad Research
Rindos III,Andrew J	Adjunct Assoc Professor	Electrical & Computer Engr.	Affiliate Grad Faculty	Electrical & Computer Engr.
Riordan,Allen J.	Emeritus Associate Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Rishika,Rishika	Asst Professor	Business Management-Poole COM	Grad Faculty	Business Management-Poole COM
Rissman,Emilie Francesca	Professor	Biological Sciences	Grad Faculty	Biological Sciences
Ristaino,Jean B.	Named Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Ritchie,David F.	Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Rittling,Mary Elizabeth	Professor of the Practice	ELPHD	Affiliate Grad Faculty	ELPHD
Rivers,Anthony T	Adjunct Asst Professor	Computer Science-engr	Affiliate Grad Faculty	Computer Science-Engr
Rivers,Louie	Asst Professor	For & Envir Res Acad Research	Grad Faculty	For & Envir Res Acad Research
Riviere,Jim E.	Emeritus Named Distng'd Prof	Dept-Population,Health,Pathobi	Grad Faculty	Dept Molecular Biomedical Sci
Rizkalla,Sami	Emeritus Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Ro,Paul I		Mechanical & Aerospace Engr	Grad Faculty	
Robarge,Wayne P.	Emeritus Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Roberson,Gary T	Assoc Professor	Biological And Agricultural En	Grad Faculty	Biological And Agri Engr
Roberts IV,William L	Adjunct Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Roberts,David L	Assoc Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Roberts,John F	Emeritus Professor	Applied Ecology	Grad Faculty	Applied Ecology
Roberts,Malcolm C.	Emeritus Professor	Dept-Population,Health,Pathobi	Grad Faculty	Population Health&Pathobiology
Roberts,Reade Bruce	Assoc Professor	Biological Sciences	Grad Faculty	Biological Sciences
Roberts,Stephen Dean	Emeritus Named Professor	Fitts Dept Indust & Syst Engr	Grad Faculty	Fitts Dept Indust & Syst Engr
Robertson,Dominique		Plant and Microbial Biology	Grad Faculty	
Robertson,Ian Douglas	Clinical Professor	Dept Molecular Biomedical Scie	Affiliate Grad Faculty	Dept Molecular Biomedical Sci
Robertson,Robert L.	Emeritus Professor	Entomology & Plant Pathology	Grad Faculty	Entomology
Robins,Nicholas A	Teaching Professor	History	Affiliate Grad Faculty	History
Robinson Jr,Mendel L	Emeritus Associate Professor	Textile & Apparel, Technology	Grad Faculty	Textile & Apparel Tech & Mgmt
Robinson,Stefanie Mora	Assoc Professor	Business Management-Poole COM	Grad Faculty	Business Management-Poole COM
Robinson,Walter A	Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Robison,Odís Wayne	Emeritus Professor	Animal Science	Grad Faculty	Animal Science
Rock PhD,Christopher Dewayne		Ctr Addit Manf & Log-CAMAL	Affiliate Grad Faculty	
Rockenbach,Alyssa Nicole	Professor	ELPHD	Grad Faculty	ELPHD
Rodriguez,Iesus	Professor	Mathematics	Grad Faculty	Mathematics
Rodriguez-Puebla,Marcelo	Assoc Professor	Dept Molecular Biomedical Scie	Grad Faculty	Dept Molecular Biomedical Sci
Roe,Richard M.	Named Distinguished Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Roe,Simon C	Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Roelle,Paul A.	Adjunct Asst Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Roise,Joseph Peter	Professor	For & Envir Res Acad Research	Grad Faculty	For & Envir Res Acad Research

Rojas, Orlando Jose	Adjunct Professor	Forest Biomaterials	Grad Faculty	Forest Biomaterials
Roland, Christopher M	Professor	Physics	Grad Faculty	Physics
Rollins, Yvonne B.	Emeritus Professor	Foreign Languages And Literatu	Grad Faculty	Foreign Languages and Lit
Romo, Lynsey Kluever	Assoc Professor	Communication	Grad Faculty	Communication
Ronquest, Rebecca Ellen	Assoc Professor	Foreign Languages And Literatu	Grad Faculty	Foreign Languages and Lit
Rose, Robert B.	Assoc Professor	Biochemistry	Grad Faculty	Biochemistry
Ross, Ann Helen	Professor	Biological Sciences	Grad Faculty	Biological Sciences
Ross, Donna Barton		Statistics	Grad Faculty	Statistics
Rotenberg, Dorith	Assoc Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Rotenberg, Eric	Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Rothenberg, Lori Fay	Assoc Professor	Textile & Apparel, Technology	Grad Faculty	Textile & Apparel Tech & Mgmt
Rothermel, Gregg Evan	Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Rotunno, Richard	Adjunct Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Rouphail, Nagui M	Distinguished University Prof	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Rouse, Lawrence Lee	Adjunct Asst Professor	ELPHD	Affiliate Grad Faculty	ELPHD
Rouskas, Georgios	Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Rowe, Jonathan P.	Adjunct Asst Professor	Computer Science-engr	Affiliate Grad Faculty	Computer Science-Engr
Royal PhD, Kenneth Darrell	Assoc Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Royster, Larry H.	Emeritus Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Rubilar, Rafael Alejandro	Adjunct Assoc Professor	The Forest Nutrition Cooperati	Affiliate Grad Faculty	Forest Nutrition Cooperative
Rubin, Eva R.	Emeritus Professor	Public & International Affairs	Grad Faculty	Public & International Affairs
Rudek, Joseph	Adjunct Assoc Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Rudolph, Julia E	Professor	History	Grad Faculty	History
Rufty Jr, Thomas W	Named Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Rufty, Rebeca C.	Professor	Graduate School-Dean's Office	Grad Faculty	Crop & Soil Sciences
Rushing PhD, John Eual	Emeritus Professor	Food, Bioprocess & Nutrition Sc	Grad Faculty	Food, Bioprocess & Nutrition Sc
Russell, Burton Lester	Emeritus Associate Professor	Communication	Grad Faculty	Communication
Russell, Dale A	Emeritus Research Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Russo, Marc Ernest	Assoc Professor	Art and Design	Grad Faculty	Art and Design
Rust, Jon Paul	Professor	Textile Engineering, Chemistry	Grad Faculty	Textile Engr Chemistry & Sci
Rutherford, Teomara Alexandra		TELS	Grad Faculty	
Rutter PhD, Charles		BTEC-Biomfg Training Ed Ctr	Affiliate Grad Faculty	
Ryu, Jong Eun	Asst Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Sabornie, Edward J.	Professor	TELS	Grad Faculty	TELS
Safley, Charles D.	Emeritus Professor	Ag & Resource Economics	Grad Faculty	Ag & Resource Economics
Sagui, Maria C	Professor	Physics	Grad Faculty	Physics
Saibaba, Arvind Krishna	Asst Professor	Mathematics	Grad Faculty	Mathematics
Saker, Korinn Edna	Assoc Professor	Dept Molecular Biomedical Scie	Grad Faculty	Dept Molecular Biomedical Sci
Salmon, Sonja Irene	Assoc Professor	Textile Engineering, Chemistry	Grad Faculty	Textile Engr Chemistry & Sci
Saloni, Daniel Erique	Assoc Professor	Forest Biomaterials	Grad Faculty	Forest Biomaterials
Salstad, M. Louise	Emeritus Associate Professor	Foreign Languages And Literatu	Grad Faculty	Foreign Languages and Lit
Salvi, Deepti Arvind	Asst Professor	Food, Bioprocess & Nutrition Sc	Grad Faculty	Food, Bioprocess & Nutrition Sc
Samatova, Nagiza Faridovna	Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
San Miguel Delgadillo, Adriana	Asst Professor	Chemical & Biomolecular Engr	Grad Faculty	Chemical & Biomolecular Engr.
Sandeep, K P	Professor	Food, Bioprocess & Nutrition Sc	Grad Faculty	Food, Bioprocess & Nutrition Sc
Sanders, Timothy H	Emeritus USDA Prof	Food, Bioprocess & Nutrition Sc	Grad Faculty	Food, Bioprocess & Nutrition Sc
Sang PhD, Shengmin	Adjunct Asst Professor	Food, Bioprocess & Nutrition Sc	Grad Faculty	Food, Bioprocess & Nutrition Sc
Sanii, Ezat	Emeritus Associate Professor	Fitts Dept Indust & Syst Engr	Grad Faculty	Fitts Dept Indust & Syst Engr
Sannes, Philip L.	Professor	Dept Molecular Biomedical Scie	Grad Faculty	Dept Molecular Biomedical Sci
Sano, Michael	Asst Professor	Biomedical Program - ENG	Grad Faculty	Biomedical Program-Engineering
Sanoff, Henry	Emeritus Professor	Architecture	Grad Faculty	Architecture
Santiso, Erik Emilio	Asst Professor	Chemical & Biomolecular Engr	Grad Faculty	Chemical & Biomolecular Engr.
Santos Soares de Freitas, Frederico	Asst Professor	History	Grad Faculty	History
Saravitz, Carole H	Research Asst Professor	Phytotron	Affiliate Grad Faculty	Plant and Microbial Biology
Sargent, Frank D.	Emeritus Professor	Animal Science	Grad Faculty	Animal Science
Saul, Katherine	Assoc Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Savage, Carla Diane	Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Savariappan, Paul Rajamanickam	Teaching Assoc Professor	Statistics	Grad Faculty	Statistics
Saveliev, Alexei V.	Assoc Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Sawhney, Man M.	Emeritus Professor	Sociology & Anthropology	Grad Faculty	Sociology & Anthropology
Sawicki, Gregory Stephen	Adjunct Assoc Professor	Biomedical Program - ENG	Grad Faculty	Biomedical Program-Engineering
Sawyers, Roby B	Professor	Accounting-Poole COM	Grad Faculty	Accounting-Poole COM
Sayde, Chadi	Asst Professor	Biological And Agricultural En	Grad Faculty	Biological And Agri Engr
Sazdanovic, Radmila	Asst Professor	Mathematics	Grad Faculty	Mathematics
Scafuro, Alessandra	Asst Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Scales, Alice Y	Teaching Asst Professor	Sci, Tech, Engr & Math (STEM)	Affiliate Grad Faculty	Sci, Tech, Engr & Math (STEM)
Scandalios, John G.	Emeritus Professor	Biological Sciences	Grad Faculty	Genetics
Scattergood, Ronald O	Emeritus Professor	Materials Science & Engineering	Grad Faculty	Materials Science & Engineering
Scearce, J Mark	Professor	Art and Design	Grad Faculty	Art and Design
Schaefer, Thomas M	Distinguished Professor	Physics	Grad Faculty	Physics
Schaeffer, Blake	Adjunct Asst Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Schaffer, Henry E	Emeritus Professor	Advanced Computing	Grad Faculty	Genetics
Schaffer, Henry E	Emeritus Professor	Biological Sciences	Grad Faculty	Genetics
Schaffer, Kristen J	Assoc Professor	Architecture	Grad Faculty	Architecture
Schal, Coby J	Named Distinguished Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Scharf PhD, Frederick S	Adjunct Professor	Applied Ecology	Affiliate Grad Faculty	Applied Ecology
Scharf, Valery Fairfax	Asst Professor	Dept of Clinical Sciences	Affiliate Grad Faculty	Dept of Clinical Sciences
Schechter, Stephen	Emeritus Professor	Mathematics	Grad Faculty	Mathematics
Scheller, Robert Michael	Professor	For & Envir Res Acad Research	Grad Faculty	For & Envir Res Acad Research
Schmidt, Andrew Philip	Assoc Professor	Accounting-Poole COM	Grad Faculty	Accounting-Poole COM
Schmidt, Jessica Young	Teaching Asst Professor	Computer Science-engr	Affiliate Grad Faculty	Computer Science-Engr
Schnabel, Lauren V	Assoc Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences

Schnetzer,Astrid	Assoc Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Schoen,Martin	Adjunct Professor	Chemical & Biomolecular Engr	Affiliate Grad Faculty	Chemical & Biomolecular Engr.
Schoenfeld,Regina M	Assoc Professor	Dept Molecular Biomedical Scie	Grad Faculty	Dept Molecular Biomedical Sci
Scholle, Frank	Assoc Professor	Biological Sciences	Grad Faculty	Biological Sciences
Schrag,Robert Laurence	Professor	Communication	Grad Faculty	Communication
Schrag,Robert Laurence	Emeritus Professor	Communication	Grad Faculty	Communication
Schreck III,Carl James	Adjunct Asst Professor	NC Inst of Climate Studies	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Schrimper,Ronald A.	Emeritus Professor	Ag & Resource Economics	Grad Faculty	Ag & Resource Economics
Schroeder,Bastian Jonathan	Adjunct Assoc Professor	Civil Const & Environ Engineer	Affiliate Grad Faculty	Civil, Const & Env Engineering
Schroeder-Moreno,Michelle Shawn	Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Schulman,Michael D.	Named Distinguished Professor	Agricultural & Human Sciences	Grad Faculty	4-H Youth Dev & Fam & Cons Sci
Schulte,Ann C	Emeritus Professor	Psychology	Grad Faculty	
Schultheis,Jonathan R.	Professor	Horticultural Science	Grad Faculty	Horticultural Science
Schwalbe,Michael L.	Professor	Sociology & Anthropology	Grad Faculty	Sociology & Anthropology
Schwartz,Justin	Adjunct Professor	Materials Science &Engineering	Grad Faculty	Materials Science &Engineering
Schwartz,Meghan H	Adjunct Asst Professor	Prestage Poultry Science	Affiliate Grad Faculty	Prestage Poultry Science
Schwartz,Steven J.	Emeritus Professor	Food,Bioprocess & Nutrition Sc	Grad Faculty	Food,Bioprocess & Nutrition Sc
Schwarz,Michael Richard	Adjunct Professor	Entomology & Plant Pathology	Affiliate Grad Faculty	Entomology & Plant Pathology
Schweitzer,Mary Higby	Professor	Biological Sciences	Grad Faculty	Biological Sciences
Schweizer,Heidi	Asst Professor	Ag & Resource Economics	Grad Faculty	Ag & Resource Economics
Sciaudone,Elizabeth J.	Research Asst Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Scotford,Martha		Graphic & Industrial Design	Grad Faculty	
Scott,Maxwell J	Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Scott,Stephen Carlos	Adjunct Asst Professor	ELPHD	Affiliate Grad Faculty	ELPHD
Scroggs,Jeffrey Scott	Emeritus Associate Professor	Mathematics	Grad Faculty	Mathematics
Seater,John J.	Professor	Economics-Poole COM	Grad Faculty	Economics-Poole COM
Sederoff,Heike Inge Ada	Professor	Plant and Microbial Biology	Grad Faculty	Plant and Microbial Biology
Sederoff,Ron Ross	Emeritus Distinguished Prof	For & Envir Res Acad Research	Grad Faculty	For & Envir Res Acad Research
See,Miles T	Professor	Animal Science	Grad Faculty	Animal Science
Seekamp,Erin Lynn	Assoc Professor	Parks, Recreation & Tourism Mg	Grad Faculty	Parks Recreation & Tourism Mg
Selgrade,James Francis	Emeritus Professor	Mathematics	Grad Faculty	Mathematics
Semazzi,Fredrick H	Research Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Semazzi,Fredrick H	Emeritus Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Senegal,Pamela Gibson	Adjunct Asst Professor	ELPHD	Affiliate Grad Faculty	ELPHD
Seracino,Rudolf	Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Serow,Robert C.		ELPHD	Grad Faculty	
Seth Carley,Danesha Gita	Research Assoc Professor	Horticultural Science	Grad Faculty	Horticultural Science
Setser,Bryan Howard	Teaching Asst Professor	TELS	Affiliate Grad Faculty	TELS
Setzer,Sharon M.	Professor	English	Grad Faculty	English
Severin PhD,Laura Ruth	Professor	English	Grad Faculty	English
Seyam,Abdel-fattah Mohamed	Professor	Textile & Apparel, Technology	Grad Faculty	Textile & Apparel Tech & Mgmt
Shah,Sanjay Bikram	Professor	Biological And Agricultural En	Grad Faculty	Biological And Agri Engr
Shahzad,Muhammad	Asst Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Shamblin,Leigh	Professor of the Practice	Master of Management	Grad Faculty	Mgmt, Innovation & Entrepreneu
Shamey,Renzo	Professor	Textile Engineering, Chemistry	Grad Faculty	Textile Engr Chemistry & Sci
Shane,Simon M.	Adjunct Professor	Dept-Population,Health,Pathobi	Affiliate Grad Faculty	Prestage Poultry Science
Shannon,Steven Christopher	Professor	Nuclear Engineering	Grad Faculty	Nuclear Engr
Sharara,Mahmoud Ahmed Nabil Ahmed Naguib	Asst Professor	Biological And Agricultural En	Grad Faculty	Biological And Agri Engr
Sharma,Ratna Rani	Adjunct Assoc Professor	Biological And Agricultural En	Grad Faculty	Biological And Agri Engr
Shashaani,Sara	Asst Professor	Fitts Dept Indust & Syst Engr	Grad Faculty	Fitts Dept Indust & Syst Engr
Shaw,Ping-Tung	Emeritus Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Shea,Damian		Biological Sciences	Grad Faculty	
Shear,Theodore Henry	Assoc Professor	For & Envir Res Acad Research	Grad Faculty	For & Envir Res Acad Research
Shearer,Michael	Professor	Mathematics	Grad Faculty	Mathematics
Shearon,Ronald Wilson	Professor	Agricultural & Human Sciences	Grad Faculty	Agricultural & Extension Edu
Sheats,Mary Katherine	Asst Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Sheldon,Brian W.	Emeritus Professor	Prestage Poultry Science	Grad Faculty	Prestage Poultry Science
Shelhamer,James Henry	Adjunct Professor	Dept-Population,Health,Pathobi	Affiliate Grad Faculty	Population Health&Pathobiology
Shelley,Rowland M	Adjunct Assoc Professor	Applied Ecology	Affiliate Grad Faculty	Applied Ecology
Shen,Xipeng	Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Sheppard,John Douglas	Professor	Food,Bioprocess & Nutrition Sc	Grad Faculty	Food,Bioprocess & Nutrition Sc
Sherk,Julieta Trevino	Assoc Professor	Horticultural Science	Grad Faculty	Horticultural Science
Sherman,Barbara Lynn	Emeritus Professor	Dept of Clinical Sciences	Affiliate Grad Faculty	Dept of Clinical Sciences
Sherry,Barbara	Professor	Dept Molecular Biomedical Scie	Grad Faculty	Dept Molecular Biomedical Sci
Shertzter,Kyle W	Adjunct Asst Professor	Applied Ecology	Affiliate Grad Faculty	Applied Ecology
Sherwood,Bruce A.	Research Professor	Physics	Affiliate Grad Faculty	Physics
Sheth,Seema Nayan	Asst Professor	Plant and Microbial Biology	Grad Faculty	Plant and Microbial Biology
Shew,Barbara B.	Research Asst Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Shew,Howard D.	Named Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Shi,Wei	Professor	Crop & Soil Sciences	Grad Faculty	Soil Science
Shiffler,Donald A		Nonwovens Institute	Affiliate Grad Faculty	
Shih,Jason C.	Emeritus Professor	Prestage Poultry Science	Grad Faculty	Prestage Poultry Science
Shim,Eunkyoung	Asst Professor	Textile Engineering, Chemistry	Grad Faculty	Textile Engr Chemistry & Sci
Shimura,Fumio	Adjunct Professor	Materials Science &Engineering	Affiliate Grad Faculty	Materials Science &Engineering
Shirwaiker,Rohan Ajit	Assoc Professor	Fitts Dept Indust & Syst Engr	Grad Faculty	Fitts Dept Indust & Syst Engr
Shoemaker,Paul B.	Emeritus Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Shore,Scott Harold	Adjunct Assoc Professor	Plant and Microbial Biology	Affiliate Grad Faculty	Microbiology
Showalter,David Scott	Teaching Professor	Accounting-Poole COM	Grad Faculty	Accounting-Poole COM
Showers,William J.	Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Shriver,Thomas Eugene	Professor	Sociology & Anthropology	Grad Faculty	Sociology & Anthropology
Shultz,David A	Professor	Chemistry	Grad Faculty	Chemistry
Shumaker Jeffrey,Penny Michelle	Teaching Asst Professor	Sci, Tech, Engr & Math (STEM)	Grad Faculty	Sci, Tech, Engr & Math (STEM)

Sichitiu,Mihail Lorin	Professor	MS Comp Networking-ECE	Grad Faculty	Electrical & Computer Engr.
Siciliano,Paul David	Professor	Animal Science	Grad Faculty	Animal Science
Siderelis,Chrys D.	Emeritus Professor	Parks, Recreation & Tourism Mg	Grad Faculty	Parks Recreation & Tourism Mg
Siewert,Charles Edward	Professor	Mathematics	Grad Faculty	Nuclear Engr
Sikes,Michael L.	Assoc Professor	Biological Sciences	Grad Faculty	Biological Sciences
Silber,Robert	Emeritus Associate Professor	Mathematics	Grad Faculty	Mathematics
Silliman VI,Benjamin	Professor	Agricultural & Human Sciences	Grad Faculty	4-H Youth Dev & Fam & Cons Sci
Sills,Erin Odonnell	Professor	For & Envir Res Acad Research	Grad Faculty	For & Envir Res Acad Research
Sills,Robert C.	Adjunct Assoc Professor	Dept-Population,Health,Pathobi	Affiliate Grad Faculty	Dept Microbiology Path & Para
Silverberg PhD,Lawrence M	Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Silverman,Jules	Named Distinguished Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Silverstein,Jack William	Professor	Mathematics	Grad Faculty	Mathematics
Simmons III,Otto DeBruhl	Research Asst Professor	Horticultural Science	Grad Faculty	Biological And Agri Engr
Simmons,Susan Jeanne	Professor	Advanced Analytics	Grad Faculty	Statistics
Simons,Theodore R	Emeritus Professor	Applied Ecology	Grad Faculty	Applied Ecology
Simons-Rudolph,Joseph M	Teaching Asst Professor	Psychology	Affiliate Grad Faculty	Psychology
Simpson,Melanie Anne	Professor	Biochemistry	Grad Faculty	Biochemistry
Simpson,Michael F	Adjunct Assoc Professor	Nuclear Engineering	Affiliate Grad Faculty	Nuclear Engr
Simpson,Robert M	Adjunct Professor	Dept-Population,Health,Pathobi	Grad Faculty	Population Health&Pathobiology
Simunovic,Josip	Research Professor	Food,Bioprocess & Nutrition Sc	Grad Faculty	Food,Bioprocess & Nutrition Sc
Sinclair,Geoffrey Allan	Adjunct Asst Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Sinclair,Thomas R	Adjunct Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Singer,Michael F.	Professor	Mathematics	Grad Faculty	Mathematics
Singh,Munindar P	Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Singh,Nadia	Adjunct Assoc Professor	Biological Sciences	Grad Faculty	Biological Sciences
Siopes,Thomas David	Emeritus Professor	Prestage Poultry Science	Grad Faculty	Prestage Poultry Science
Sirota,Brent S	Assoc Professor	History	Grad Faculty	History
Sit,Roger Carson	Adjunct Asst Professor	Nuclear Engineering	Affiliate Grad Faculty	Nuclear Engr
Sit,Timmy L	Adjunct Asst Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Sitar,Zlatko	Named Distinguished Professor	Materials Science &Engineering	Grad Faculty	Materials Science &Engineering
Skaar,David Allen	Research Asst Professor	Biological Sciences	Affiliate Grad Faculty	Biological Sciences
Skaggs,Richard W.	Emeritus Named Distng'd Prof	Biological And Agricultural En	Grad Faculty	Biological And Agri Engr
Skokov,Vladimir	Asst Professor	Physics	Grad Faculty	Physics
Skroch,Walter A.	Emeritus Professor	Horticultural Science	Grad Faculty	Horticultural Science
Slankas,John Botious	Adjunct Asst Professor	Lab for Analytic Sciences	Affiliate Grad Faculty	Computer Science-Engr
Slatta,Richard Wayne	Emeritus Professor	History	Grad Faculty	History
Slenning,Barrett D	Assoc Professor	Dept-Population,Health,Pathobi	Grad Faculty	Population Health&Pathobiology
Sliwinska-Bartowiak,Malgorzata	Adjunct Professor	Chemical & Biomolecular Engr	Affiliate Grad Faculty	Chemical & Biomolecular Engr.
Slocumb,William S		Ctr. for Geospatial Analytics	Affiliate Grad Faculty	
Small,Judy Jo	Emeritus Professor	English	Grad Faculty	English
Smallwood,James E.	Professor	Dept Molecular Biomedical Scie	Grad Faculty	Dept Molecular Biomedical Sci
Smart,Robert Charles	Professor	Biological Sciences	Grad Faculty	Biological Sciences
Smirnov,Alexej I.	Distinguished Professor	Chemistry	Grad Faculty	Chemistry
Smirnova,Tatyana I.	Assoc Professor	Chemistry	Grad Faculty	Chemistry
Smith Jr,William A	Emeritus Professor	Fitts Dept Indust & Syst Engr	Grad Faculty	Fitts Dept Indust & Syst Engr
Smith PhD,Linda McCabe	Teaching Assoc Professor	TELS	Grad Faculty	TELS
Smith,Adrian Alan	Adjunct Asst Professor	Entomology & Plant Pathology	Affiliate Grad Faculty	Entomology & Plant Pathology
Smith,Adrian Alan	Research Asst Professor	Biological Sciences	Affiliate Grad Faculty	Biological Sciences
Smith,Angela Carmella	Teaching Assoc Professor	ELPHD	Grad Faculty	ELPHD
Smith,Carl B.	Emeritus Named Professor	Textile Engineering, Chemistry	Grad Faculty	Textile Engr Chemistry & Sci
Smith,Charles Eugene	Assoc Professor	Statistics	Grad Faculty	Statistics
Smith,Craig Allen	Emeritus Professor	Communication	Grad Faculty	Communication
Smith,Craig Randall	Adjunct Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Smith,Curtis Lee	Adjunct Professor	Nuclear Engineering	Affiliate Grad Faculty	Nuclear Engr
Smith,Donald E.	Emeritus Professor	Applied Ecology	Grad Faculty	Applied Ecology
Smith,Frank J.	Emeritus Professor	Psychology	Grad Faculty	Psychology
Smith,Gary W.	Emeritus Associate Professor	Textile & Apparel, Technology	Grad Faculty	Textile & Apparel Tech & Mgmt
Smith,Gavin Paul	Professor	Landscape Architecture	Grad Faculty	Landscape Architecture
Smith,Geoffrey W	Professor	Dept-Population,Health,Pathobi	Grad Faculty	Population Health&Pathobiology
Smith,J C	Emeritus Associate Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Smith,Jared	Asst Professor	Business Management-Poole COM	Grad Faculty	Business Management-Poole COM
Smith,Jordan William	Adjunct Asst Professor	Parks, Recreation & Tourism Mg	Affiliate Grad Faculty	Parks Recreation & Tourism Mg
Smith,Lee	Emeritus Professor	English	Grad Faculty	English
Smith,Ralph Conover	Professor	Mathematics	Grad Faculty	Mathematics
Smith,V. Kerry	Emrtus Distng'd Univ Prof	Ag & Resource Economics	Grad Faculty	Ag & Resource Economics
Smith,William David	Emeritus Named Professor	Administration - Research Serv	Grad Faculty	Crop & Soil Sciences
Smith,William R	Assoc Professor	Sociology & Anthropology	Grad Faculty	Sociology & Anthropology
Smith-Moore,Caroline Michael		BTEC-Biomfg Training Ed Ctr	Grad Faculty	
Smoot,Jean J	Emeritus Professor	English	Grad Faculty	English
Smukowski Heil,Caitlin Suzanne	Asst Professor	Biological Sciences	Grad Faculty	Biological Sciences
Smyth,Thomas J.	Professor	Crop & Soil Sciences	Grad Faculty	Soil Science
Snowden,Joy Little	Teaching Asst Professor	Biological Sciences	Affiliate Grad Faculty	Biological Sciences
Snyder Jr,Samuel Sword		College Of Education	Grad Faculty	
Snyder,Amy Marie	Clinical Asst Professor	Dept of Clinical Sciences	Affiliate Grad Faculty	Dept of Clinical Sciences
Snyder,Wesley E.	Emeritus Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
So,Franky	Distinguished Professor	Materials Science &Engineering	Grad Faculty	Materials Science &Engineering
Sobrero,Patricia M.		Agricultural & Human Sciences	Affiliate Grad Faculty	
Solari,Anthony G.	Teaching Asst Professor	Public & International Affairs	Affiliate Grad Faculty	Public & International Affairs
Solihin,Yan	Adjunct Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Solomon,Daniel L.		Statistics	Grad Faculty	Statistics
Somers,Leslie A	Assoc Professor	Chemistry	Grad Faculty	Chemistry
Sonenshine,Daniel E	Adjunct Professor	Entomology & Plant Pathology	Affiliate Grad Faculty	Entomology

Song,Rui	Assoc Professor	Statistics	Grad Faculty	Statistics
Sorensen,Kenneth A.	Emeritus Professor	Entomology & Plant Pathology	Grad Faculty	Entomology
Sorenson,Clyde E	Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Soroos,Marvin Stanley	Emeritus Professor	Public & International Affairs	Grad Faculty	Public & International Affairs
Sorrell Jr,Furman Y	Emeritus Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Southern,Phillip S.	Emeritus Professor	Entomology & Plant Pathology	Grad Faculty	Entomology
Soyarslan,Sanem	Asst Professor	Philosophy & Religious Studies	Grad Faculty	Philosophy & Religious Studies
Sozzani,Rosangela	Assoc Professor	Plant and Microbial Biology	Grad Faculty	Plant and Microbial Biology
Spafford,Anne McCombe	Assoc Professor	Horticultural Science	Grad Faculty	Horticultural Science
Spano Sr,Michael Robert	Lecturer	Fitts Dept Indust & Syst Engr	Affiliate Grad Faculty	Fitts Dept Indust & Syst Engr
Spayd,Sara Elizabeth	Emeritus Professor	Horticultural Science	Grad Faculty	Horticultural Science
Spears,Janet F	Emeritus Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Spears,Jerry Wayne		Animal Science	Grad Faculty	
Spencer,Stephanie Laine	Emeritus Professor	History	Grad Faculty	History
Spiker,Steven L.		Biological Sciences	Grad Faculty	Biological Sciences
Spires,Hiller A	Professor	TELS	Grad Faculty	TELS
Spontak,Richard J	Distinguished Professor	Chemical & Biomolecular Engr	Grad Faculty	Materials Science &Engineering
Spooner,Jean		Biological And Agricultural En	Affiliate Grad Faculty	
Spooner,Jean	Emeritus Extension Professor	Biological And Agricultural En	Affiliate Grad Faculty	Biological And Agri Engr
Sprinthall,Norman A	Emeritus Professor	Curr, Instr & Counselor Ed-CED	Grad Faculty	Curr, Instr & Counselor Ed-CED
Spurr,Harvey Wesley	Emeritus USDA Prof	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Srogl PhD,Jiri	Adjunct Assoc Professor	Chemical & Biomolecular Engr	Affiliate Grad Faculty	Chemical & Biomolecular Engr.
St. Amant,Robert A	Adjunct Professor	Computer Science-engr	Affiliate Grad Faculty	Computer Science-Engr
Staddon,Jessica Nicola	Adjunct Assoc Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Stafford Jr,Thomas Hugh	Adjunct Asst Professor	Acad Stu Aff-VC and Dean Off	Affiliate Grad Faculty	Curr, Instr & Counselor Ed-CED
Stage,Scott Andrew	Assoc Professor	Psychology	Grad Faculty	Psychology
Staicu,Ana-Maria	Assoc Professor	Statistics	Grad Faculty	Statistics
Stalker Jr,Harold T	Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Stallmann,Matthias F.M.	Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Stallrich,Jonathan Wesley	Asst Professor	Statistics	Grad Faculty	Statistics
Stancil,Daniel D	Named Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Stanigar,Jennifer J	Teaching Asst Professor	Office of Faculty Affairs	Affiliate Grad Faculty	ELPHD
Stanko,Michael A	Assoc Professor	Business Management-Poole COM	Grad Faculty	Business Management-Poole COM
Stansbury,Kim L	Assoc Professor	Social Work	Grad Faculty	Social Work
Stapelmann,Katharina	Asst Professor	Nuclear Engineering	Grad Faculty	Nuclear Engr
Stark,Charles Robert	Adjunct Assoc Professor	Prestage Poultry Science	Affiliate Grad Faculty	Prestage Poultry Science
Starly,Binil	Professor	Fitts Dept Indust & Syst Engr	Grad Faculty	Fitts Dept Indust & Syst Engr
Steelman,Toddi Angela	Adjunct Professor	For & Envir Res Acad Research	Affiliate Grad Faculty	Forest Biomaterials
Steer,Michael B.	Named Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Stefanski PhD,Leonard A.	Professor	Statistics	Grad Faculty	Statistics
Stein,Allen Frederick	Professor	English	Grad Faculty	English
Stein,Sarah R	Assoc Professor	Communication	Grad Faculty	Communication
Stein,Sarah R	Emeritus Associate Professor	Communication	Grad Faculty	Communication
Stepanova,Anna N.	Assoc Professor	Plant and Microbial Biology	Grad Faculty	Plant and Microbial Biology
Stephenson Jr,James L.	Adjunct Asst Professor	Microbiology	Affiliate Grad Faculty	Microbiology
Stevenson,Clinton Dale	Assoc Professor	Food,Bioprocess & Nutrition Sc	Grad Faculty	Food,Bioprocess & Nutrition Sc
Stevenson,Kathryn Tate	Asst Professor	Parks, Recreation & Tourism Mg	Grad Faculty	Parks Recreation & Tourism Mg
Stewart Jr,Ralsa Marshall	Emeritus Associate Professor	Agricultural & Human Sciences	Grad Faculty	Agricultural & Human Sciences
Stewart,Amanda Janis	Asst Professor	Public & International Affairs	Grad Faculty	Public & International Affairs
Stewart,Katharine Elaine	Professor	Office of Faculty Affairs	Grad Faculty	Psychology
Stewart,William James	Emeritus Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Stiff,Lee Vernon	Professor	College Of Education	Grad Faculty	Sci, Tech, Engr & Math (STEM)
Stikeleather,Larry F.	Emeritus Professor	Biological And Agricultural En	Grad Faculty	Biological And Agri Engr
Stiles,Curtis Alexander	Clinical Asst Professor	Dept of Clinical Sciences	Affiliate Grad Faculty	Dept of Clinical Sciences
Stiles,Phillip J	Emeritus Professor	Physics Grads & Temps	Grad Faculty	Physics
Stinner,Ronald Edwin	Emeritus Professor	Integrated Pest Mgmt-Research	Grad Faculty	Entomology
Stinson,Timothy Linwood	Assoc Professor	English	Grad Faculty	English
Stitzinger,Ernest Lester	Professor	Mathematics	Grad Faculty	Mathematics
Stoddard,Edward F.	Emeritus Associate Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Stolee,Kathryn Thomasset	Asst Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Stoll MD,Regina	Adjunct Assoc Professor	Fitts Dept Indust & Syst Engr	Affiliate Grad Faculty	Fitts Dept Indust & Syst Engr
Stomp,Anne Marie		For & Envir Res Acad Research	Grad Faculty	
Stone,Eric A	Adjunct Professor	Biological Sciences	Grad Faculty	Biological Sciences
Stone,John R.	Emeritus Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Stonebraker,Jeffrey S	Assoc Professor	Business Management-Poole COM	Grad Faculty	Business Management-Poole COM
Storberg-Walker,Julia	Adjunct Assoc Professor	ELPHD	Affiliate Grad Faculty	ELPHD
Stoskopf,Michael K.	Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Stowe,Deborah Ann Marks	Clinical Asst Professor	Dept-Population,Health,Pathobi	Affiliate Grad Faculty	Population Health&Pathobiology
Strenkowski,John S.		Mechanical & Aerospace Engr	Grad Faculty	
Stringer,Andrew Peter	Clinical Asst Professor	Dept-Population,Health,Pathobi	Affiliate Grad Faculty	Population Health&Pathobiology
Strote,Noah B	Assoc Professor	History	Grad Faculty	History
Struett,Michael John	Assoc Professor	Public & International Affairs	Grad Faculty	Public & International Affairs
Stuart,Bryan Lynn	Adjunct Assoc Professor	Biological Sciences	Affiliate Grad Faculty	Biological Sciences
Stubbs,Harriett S	Research Assoc Professor	Dept Of Math & Science Educ -	Affiliate Grad Faculty	Sci, Tech, Engr & Math (STEM)
Stuber,Charles William	Emeritus USDA Prof	Genetics	Grad Faculty	Genetics
Stuckey Jr,William C	Emeritus Professor	Textile & Apparel, Technology	Grad Faculty	Textile & Apparel Tech & Mgmt
Stucky,Jon M.	Emeritus Professor	Plant and Microbial Biology	Grad Faculty	Plant and Microbial Biology
Stumpf,Mitzi Nichole	Extension Asst Professor	4-H Youth Dev & Fam & Cons Sci	Affiliate Grad Faculty	4-H Youth Dev & Fam & Cons Sci
Sturgill,David Brian	Teaching Assoc Professor	Computer Science-engr	Affiliate Grad Faculty	Computer Science-Engr
Subbareddy,Pramod Kumar Veera	Asst Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Suchoff,David H	Extension Asst Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Suh,Minyoung	Asst Professor	Textile & Apparel, Technology	Grad Faculty	Textile & Apparel Tech & Mgmt

Suh,Moon Won	Emeritus Named Professor	Textile & Apparel, Technology	Grad Faculty	Textile & Apparel Tech & Mgmt
Sullivan,Craig V.		Applied Ecology	Grad Faculty	
Sullivan,Gene A.	Emeritus Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Sullivan,Vida Blair Dowling	Adjunct Assoc Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Sullivant,Seth M.	Professor	Mathematics	Grad Faculty	Mathematics
Sumerel,Marie B.	Adjunct Asst Professor	ELPHD	Affiliate Grad Faculty	ELPHD
Sun,Dali	Asst Professor	Physics	Grad Faculty	Physics
Sun,Ge	USDA Professor	For & Envir Res Acad Research	Grad Faculty	For & Envir Res Acad Research
Supak,Stacy Kathleen	Teaching Asst Professor	Ctr. for Geospatial Analytics	Grad Faculty	Parks Recreation & Tourism Mg
Surh,Gerald	Emeritus Associate Professor	History	Grad Faculty	
Suter,Steven E	Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Sutton,Rhonda Saeleth Craver	Extension Asst Professor	Administration - Extension Ser	Affiliate Grad Faculty	Agricultural & Human Sciences
Sutton,Turner Bond	Emeritus Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Swaigood,Harold E.	Emeritus Distinguished Prof	Food,Bioprocess & Nutrition Sc	Grad Faculty	Food,Bioprocess & Nutrition Sc
Swallow,William H.	Emeritus Professor	Statistics	Grad Faculty	Statistics
Swann,Julie LeAnne	Distinguished Professor	Fitts Dept Indust & Syst Engr	Grad Faculty	Fitts Dept Indust & Syst Engr
Swanson,Clifford Richard	Emeritus Associate Professor	Dept Molecular Biomedical Scie	Grad Faculty	Dept Molecular Biomedical Sci
Swarts PhD,Jason	Professor	English	Grad Faculty	English
Swartz,Paul Douglas	Research Asst Professor	Biochemistry - METRIC	Affiliate Grad Faculty	Biochemistry
Swartzel,Kenneth R.	Emeritus Named Distng'd Prof	Food,Bioprocess & Nutrition Sc	Grad Faculty	Food,Bioprocess & Nutrition Sc
Switzer,William Lawrence	Emeritus Associate Professor	Chemistry	Grad Faculty	Chemistry
Sylla,Edith D.	Emeritus Professor	History	Grad Faculty	History
Szanto,Agnes	Professor	Mathematics	Grad Faculty	Mathematics
Sztajn,Paola	Professor	College Of Education	Grad Faculty	TELS
Tacker,Robert C.	Adjunct Asst Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Taheri PhD,Javad	Research Assoc Professor	Fitts Dept Indust & Syst Engr	Affiliate Grad Faculty	Fitts Dept Indust & Syst Engr
Tai,Eiko	Professor	Foreign Languages And Literatu	Grad Faculty	Foreign Languages and Lit
Takeuchi,Yu		Integrated Pest Mgmt-Research	Affiliate Grad Faculty	Integrated Pest Mgmt-Research
Takeuchi,Yu	Adjunct Asst Professor	For & Envir Res Acad Research	Affiliate Grad Faculty	For & Envir Res Acad Research
Taliercio,Earl	USDA Asst Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Tang,Wenyuan	Asst Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Tarpy,David R.	Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Tate,Lloyd Patrick	Emeritus Professor	Dept of Clinical Sciences	Grad Faculty	Population Health&Pathobiology
Tateosian,Laura Gray	Teaching Assoc Professor	Ctr. for Geospatial Analytics	Grad Faculty	Parks Recreation & Tourism Mg
Taubenberger,Jeffrey K	Adjunct Professor	Dept-Population,Health,Pathobi	Grad Faculty	Population Health&Pathobiology
Taveirne,Michael Edward	Teaching Asst Professor	Biological Sciences	Affiliate Grad Faculty	Biological Sciences
Tayebali,Akhtarhusein A	Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Taylor Jr,Raymond G	Emeritus Professor	ELPHD	Grad Faculty	ELPHD
Taylor,Andrew J	Professor	Public & International Affairs	Grad Faculty	Public & International Affairs
Taylor,Bradley William	Asst Professor	Applied Ecology	Grad Faculty	Applied Ecology
Taylor,Eileen Z	Professor	Accounting-Poole COM	Grad Faculty	Accounting-Poole COM
Taylor,Linda Reinders	Lecturer	For & Envir Res Acad Research	Grad Faculty	For & Envir Res Acad Research
Taylor,Nicholas Thiel	Assoc Professor	Communication	Grad Faculty	Communication
Tector,John O.	Assoc Professor	College of Design	Grad Faculty	Architecture
Tefft,Karen Michele	Clinical Asst Professor	Dept of Clinical Sciences	Affiliate Grad Faculty	Dept of Clinical Sciences
Temple,Traci Lyn	Teaching Asst Professor	DELTA	Affiliate Grad Faculty	Art and Design
Templin Jr,Robert Grant	Professor of the Practice	ELPHD	Affiliate Grad Faculty	ELPHD
Terando,Adam J.	Adjunct Asst Professor	Applied Ecology	Grad Faculty	Applied Ecology
Terry,Stephen D	Research Asst Professor	Mech & Aerospace Engr Contract	Grad Faculty	Mechanical & Aerospace Engr
Tesar,Paul	Emeritus Professor	Architecture	Grad Faculty	Architecture
Thakur,Siddhartha	Professor	Dept-Population,Health,Pathobi	Grad Faculty	Population Health&Pathobiology
Tharp,Alan Lee	Emeritus Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Tharrington,Karen	Teaching Asst Professor	Foreign Languages And Literatu	Affiliate Grad Faculty	Foreign Languages and Lit
Theil,Elizabeth C.	Emeritus Professor	Biochemistry	Grad Faculty	Biochemistry
Theil,Michael Herbert	Emeritus Professor	Textile Engineering, Chemistry	Grad Faculty	Textile Engr Chemistry & Sci
Theis,Thomas	Asst Professor	Chemistry	Grad Faculty	Chemistry
Theis,Thomas	Adjunct Asst Professor	Biomedical Program - ENG	Grad Faculty	Biomedical Program-Engineering
Theriot,Casey Michelle	Asst Professor	Dept-Population,Health,Pathobi	Grad Faculty	Population Health&Pathobiology
Theuer,Richard C.	Adjunct Professor	Food,Bioprocess & Nutrition Sc	Affiliate Grad Faculty	Food,Bioprocess & Nutrition Sc
Theyson,Thomas W	Adjunct Professor	Textile & Apparel, Technology	Affiliate Grad Faculty	Textile & Apparel Tech & Mgmt
Thies-Sprinthall,Lois M	Emeritus Associate Professor	TELS	Grad Faculty	TELS
Thiessen,Lindsey Danielle	Asst Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Thigpen III,John F	Adjunct Assoc Professor	Sea Grant Program	Affiliate Grad Faculty	Parks Recreation & Tourism Mg
Thomas,Carrie J	Research Assoc Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Thomas,Erik R	Professor	English	Grad Faculty	English
Thomas,John E	Professor	Physics	Grad Faculty	Physics
Thomas,Judith F.	Emeritus Professor	Plant and Microbial Biology	Grad Faculty	Plant and Microbial Biology
Thomas,Melvin E	Assoc Professor	Sociology & Anthropology	Grad Faculty	Sociology & Anthropology
Thomas,Rachael	Research Asst Professor	Dept Molecular Biomedical Scie	Affiliate Grad Faculty	Dept Molecular Biomedical Sci
Thomas,Richard J	Emeritus Professor	Forest Biomaterials	Grad Faculty	Forest Biomaterials
Thompson PhD,Donald Barry	Research Assoc Professor	Thermal Protection & Comfort C	Affiliate Grad Faculty	Textile Engr Chemistry & Sci
Thompson,Donald L.	Emeritus USDA Prof	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Thompson,Elizabeth Ellen Anderson	Lecturer	Biological Sciences	Grad Faculty	Biological Sciences
Thompson,Jon F	Professor	English	Grad Faculty	English
Thompson,Maxine S	Assoc Professor	Sociology & Anthropology	Grad Faculty	Sociology & Anthropology
Thompson,William F.	Distinguished University Prof	Plant and Microbial Biology	Grad Faculty	Plant and Microbial Biology
Thomson,Margareta Maria	Assoc Professor	TELS	Grad Faculty	Elementary Education
Thomson,Randy J.	Emeritus Associate Professor	Sociology & Anthropology	Grad Faculty	Sociology & Anthropology
Thorne,Jeffrey L	Professor	Biological Sciences	Grad Faculty	Biological Sciences
Thornton,Courtney High		Office of Faculty Affairs	Affiliate Grad Faculty	
Thrall,Donald E.	Emeritus Professor	Dept Molecular Biomedical Scie	Grad Faculty	Dept Molecular Biomedical Sci
Threadgill,David W	Adjunct Professor	Biological Sciences	Affiliate Grad Faculty	Biological Sciences

Thuente,David J.	Emeritus Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Thuente,Mary Helen	Emeritus Professor	English	Grad Faculty	English
Thurman,Walter N.	Named Distinguished Professor	Ag & Resource Economics	Grad Faculty	Ag & Resource Economics
Tiezzi Mazzoni Della Stella Ma,Francesco	Research Asst Professor	Animal Science	Grad Faculty	Animal Science
Tilley,David R.	Emeritus Professor	Physics	Grad Faculty	Physics
Tilotta,David C	Professor	Forest Biomaterials	Grad Faculty	Forest Biomaterials
Ting,Siu-Man	Professor	ELPHD	Grad Faculty	ELPHD
Tittle,Charles Ray	Emeritus Professor	Sociology & Anthropology	Grad Faculty	Sociology & Anthropology
Tomasino,Charles	Emeritus Professor	Textile Engineering, Chemistry	Grad Faculty	Textile Engr Chemistry & Sci
Tommerdahl,Mark A	Assoc Professor	Biomedical Program - ENG	Grad Faculty	Biomedical Program-Engineering
Tompkins,Mary B		Dept-Population,Health,Pathobi	Grad Faculty	
Tompkins,Mary B	Emeritus Professor	Dept-Population,Health,Pathobi	Grad Faculty	Population Health&Pathobiology
Tompkins,Wayne	Emeritus Professor	Dept-Population,Health,Pathobi	Grad Faculty	Population Health&Pathobiology
Tonelli,Alan E	Named Professor	Textile Engineering, Chemistry	Grad Faculty	Textile Engr Chemistry & Sci
Tong,Quansong	Adjunct Asst Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Toomer,Ondulla Tyvette	Adjunct Assoc Professor	Prestage Poultry Science	Grad Faculty	Prestage Poultry Science
Toomer,Ondulla Tyvette	USDA Asst Professor	Food,Bioprocess & Nutrition Sc	Grad Faculty	Food,Bioprocess & Nutrition Sc
Toplikar,Susan Margaret	Emeritus Associate Professor	Art and Design	Grad Faculty	Art and Design
Townsend,J K	Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Townsend,Laticia Walker	Teaching Asst Professor	Friday Institute	Affiliate Grad Faculty	TELS
Townsend,Scott	Assoc Professor	Graphic & Industrial Design	Grad Faculty	Graphic & Industrial Design
Tracy,Joseph B.	Professor	Materials Science &Engineering	Grad Faculty	Materials Science &Engineering
Tran,Chau Minh	Teaching Assoc Professor	Mechanical & Aerospace Engr	Affiliate Grad Faculty	Mechanical & Aerospace Engr
Tran,Hien Trong	Professor	Mathematics	Grad Faculty	Mathematics
Travers,Christopher Steven	Teaching Asst Professor	ELPHD	Grad Faculty	ELPHD
Tredway,Lane Patrick	Adjunct Professor	Entomology & Plant Pathology	Affiliate Grad Faculty	Entomology & Plant Pathology
Treme,Julianne	Teaching Assoc Professor	Ag & Resource Economics	Grad Faculty	Ag & Resource Economics
Trettin,Carl	Adjunct Professor	For & Envir Res Acad Research	Affiliate Grad Faculty	For & Envir Res Acad Research
Triantaphyllou,Hedwig Hirschm	Emeritus Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Trivedi,Shweta	Teaching Assoc Professor	Animal Science	Grad Faculty	Animal Science
Truong,Van-Den	Emeritus USDA Prof	Food,Bioprocess & Nutrition Sc	Grad Faculty	Food,Bioprocess & Nutrition Sc
Trussell,Henry J.	Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Tryggvason,Gretar	Adjunct Professor	Nuclear Engineering	Affiliate Grad Faculty	Nuclear Engr
Tsiatis,Anastasios A	Emeritus Named Distng'd Prof	Statistics	Grad Faculty	Statistics
Tsuji,Jun	Professor	Biological Sciences	Grad Faculty	Biological Sciences
Tsuji,Yoshiaki	Professor	Biological Sciences	Grad Faculty	Biological Sciences
Tsynkov,Semyon Victor	Professor	Mathematics	Grad Faculty	Mathematics
Tu,Juei Feng	Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Tuck,James	Assoc Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Tucker,William P.	Emeritus Professor	Chemistry	Grad Faculty	Chemistry
Tung,Chi C.	Emeritus Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Tupler,Larry A	Adjunct Asst Professor	Fitts Dept Indust & Syst Engr	Affiliate Grad Faculty	Fitts Dept Indust & Syst Engr
Turinsky,Paul J.	Emeritus Professor	Nuclear Engineering	Grad Faculty	Nuclear Engr
Turner,Lynn G.		Agricultural & Human Sciences	Grad Faculty	
Turner,Lynn G.	Emeritus Professor	Food,Bioprocess & Nutrition Sc	Grad Faculty	Food,Bioprocess & Nutrition Sc
Tyler,Beverly B	Professor	Mgmt, Innovation&Entrepreneur	Grad Faculty	Business Management-Poole COM
Tyler-Walker Jr,Richard Edward	Adjunct Asst Professor	Counseling Services	Affiliate Grad Faculty	Curr, Instr & Counselor Ed-CED
Tzeng,Jung-Ying	Professor	Statistics	Grad Faculty	Statistics
Umbach,Paul David	Professor	ELPHD	Grad Faculty	Adult & Higher Education
Umstead,Kelly Ann	Asst Professor	Graphic & Industrial Design	Grad Faculty	Graphic & Industrial Design
Underwood,Benjamin Shane	Assoc Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Underwood,Herbert A.	Emeritus Professor	Applied Ecology	Grad Faculty	Applied Ecology
Uni,Zehava	Adjunct Professor	Prestage Poultry Science	Affiliate Grad Faculty	Prestage Poultry Science
Unrath,Claude R.	Emeritus Professor	Horticultural Science	Grad Faculty	Horticultural Science
Unruh Snyder,Lori June	Assoc Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Unsal,Mithat	Professor	Physics	Grad Faculty	Physics
Upchurch,Robert G.	USDA Assoc Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Uzsoy,Reha	Named Distinguished Professor	Fitts Dept Indust & Syst Engr	Grad Faculty	Fitts Dept Indust & Syst Engr
Vaden,Shelly L.	Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Valacchi PhD,Giuseppe	Assoc Professor	Kannapolis Research	Grad Faculty	Animal Science
Valek,Millicent Ann	Adjunct Asst Professor	ELPHD	Affiliate Grad Faculty	ELPHD
Van Landeghem,Laurianne Chantal	Asst Professor	Dept Molecular Biomedical Scie	Grad Faculty	Dept Molecular Biomedical Sci
VanDerWall,William J.	Emeritus Asst Professor	Sci, Tech, Engr & Math (STEM)	Grad Faculty	CED General Support
VanDuyn,John W.	Emeritus Named Professor	Entomology & Plant Pathology	Grad Faculty	Entomology
VanDyke,C Gerald	Emeritus Professor	Plant and Microbial Biology	Grad Faculty	Plant and Microbial Biology
VanHeugten,Eric	Professor	Animal Science	Grad Faculty	Animal Science
Vandenbergh,John G.	Emeritus Professor	Applied Ecology	Grad Faculty	Applied Ecology
Vann,Matthew Christopher	Asst Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Vann,Rachel Atwell	Asst Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Vargo,Edward L		Entomology & Plant Pathology	Grad Faculty	
Vashae,Daryoosh	Assoc Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Vasu,Ellen S.	Emeritus Professor	College Of Education	Grad Faculty	TELS
Vasu,Michael L.	Emeritus Associate Professor	Public & International Affairs	Grad Faculty	Public & International Affairs
Vatsavai,Ranga Raju	Assoc Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Vaughan,George B	Emeritus Professor	Adult & Higher Education	Grad Faculty	Adult & Higher Education
Veal,Matthew		Biological And Agricultural En	Affiliate Grad Faculty	
Veety,Elena Nicolescu	Teaching Asst Professor	Adv Self-pwr Sys Integr SensrT	Grad Faculty	Electrical & Computer Engr.
Velev,Orlin Dimitrov	Named Professor	Chemical & Biomolecular Engr	Grad Faculty	Chemical & Biomolecular Engr.
Veliadis,John Victor	Professor	NG Pwr Elec Natl Mfg Innovatio	Grad Faculty	Electrical & Computer Engr.
Venditti,Richard A	Professor	Forest Biomaterials	Grad Faculty	Forest Biomaterials
Vepraskas,Michael John	Named Distinguished Professor	Crop & Soil Sciences	Grad Faculty	Soil Science
Vergheese,Kuruvilla	Emeritus Professor	Nuclear Engineering	Grad Faculty	Nuclear Engr

Vermillion,Christopher Raymond	Assoc Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Vick,Candace Goode	Assoc Professor	Parks, Recreation & Tourism Mg	Grad Faculty	Parks Recreation & Tourism Mg
Vickery,Kenneth P.	Emeritus Professor	History	Grad Faculty	History
Vigani,Alessio	Clinical Asst Professor	Dept of Clinical Sciences	Affiliate Grad Faculty	Dept of Clinical Sciences
Vila-Parrish,Ana Raquel	Adjunct Assoc Professor	Fitts Dept Indust & Syst Engr	Affiliate Grad Faculty	Fitts Dept Indust & Syst Engr
Villamizar Martinez PhD,Lenin Arturo	Asst Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Villani,Sara Michelle	Extension Asst Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Vincent,Kenneth Steven	Professor	History	Grad Faculty	History
Viniotis,Ioannis	Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Vinueza Benitez,Nelson Rodrigo	Assoc Professor	Textile Engineering, Chemistry	Grad Faculty	Textile Engr Chemistry & Sci
Vinzant,Cynthia Leslie	Asst Professor	Mathematics	Grad Faculty	Mathematics
Voiland,Michael P		Sea Grant Program	Affiliate Grad Faculty	
Vose,James M	Adjunct Professor	For & Envir Res Acad Research	Affiliate Grad Faculty	For & Envir Res Acad Research
Vouk,Mladen Alan	Distinguished Professor	Ofc of Research & Innovation	Grad Faculty	Computer Science-Engr
Vukina,Tomislav	Professor	Ag & Resource Economics	Grad Faculty	Ag & Resource Economics
Vukomanovic,Jelena	Asst Professor	Parks, Recreation & Tourism Mg	Grad Faculty	Parks Recreation & Tourism Mg
Wade,Robert W	Teaching Asst Professor	Parks, Recreation & Tourism Mg	Affiliate Grad Faculty	Parks Recreation & Tourism Mg
Wages,Dennis P.		Dept-Population,Health,Pathobi	Grad Faculty	
Waggar,Michael G.	Emeritus Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Wahls,Harvey E.	Emeritus Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Walden,Michael L.	Named Distinguished Professor	Ag & Resource Economics	Grad Faculty	Ag & Resource Economics
Waldvogel,Michael Gerard	Extension Associate Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Walek,Mary L.	Emeritus Associate Professor	Sociology & Anthropology	Grad Faculty	Sociology & Anthropology
Walgenbach,James F.	Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Walker Jr,John T	Lecturer	Crop & Soil Sciences	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Walker,Christopher Scott	Asst Professor	Dept Molecular Biomedical Scie	Grad Faculty	Dept Molecular Biomedical Sci
Walker,Glenn M	Adjunct Assoc Professor	Biomedical Program - ENG	Grad Faculty	Biomedical Program-Engineering
Walker,Kara Kristina	Research Asst Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Walker,Mark D	Professor	Business Management-Poole COM	Grad Faculty	Business Management-Poole COM
Walkowiak,Temple A	Assoc Professor	TELS	Grad Faculty	Elementary Education
Wall Jr,John N.	Professor	English	Grad Faculty	English
Wallace III,James M.	Lecturer	Sociology & Anthropology	Grad Faculty	Sociology & Anthropology
Wallace III,James M.	Emeritus Associate Professor	Sociology & Anthropology	Grad Faculty	Sociology & Anthropology
Walls PhD,Douglas M.	Assoc Professor	English	Grad Faculty	English
Walsh,Rebecca Ann	Assoc Professor	English	Grad Faculty	English
Walter,William M.	Emeritus USDA Prof	Food,Bioprocess & Nutrition Sc	Grad Faculty	Food,Bioprocess & Nutrition Sc
Wan,Hong	Assoc Professor	Fitts Dept Indust & Syst Engr	Grad Faculty	Fitts Dept Indust & Syst Engr
Wang,Gufeng		Chemistry Grads & Temps	Grad Faculty	
Wang,Hong	Assoc Professor	Physics	Grad Faculty	Physics
Wang,Jack Peng-Yu	Asst Professor	Forest Biotech Program	Grad Faculty	For & Envir Res Acad Research
Wang,Kai	Research Asst Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Wang,Wenye	Professor	MS Comp Networking-ECE	Grad Faculty	Electrical & Computer Engr.
Wang,Xiaogang	Adjunct Professor	Computer Science-engr	Affiliate Grad Faculty	Computer Science-Engr
Wang,Xiaogang	Adjunct Professor	Electrical & Computer Engr.	Affiliate Grad Faculty	Electrical & Computer Engr.
Wang,Xiaoqiu	Asst Professor	Animal Science	Grad Faculty	Animal Science
Ward,Donn R.	Emeritus Professor	Food,Bioprocess & Nutrition Sc	Grad Faculty	Food,Bioprocess & Nutrition Sc
Ward,Jason Kellam	Asst Professor	Biological And Agricultural En	Grad Faculty	Biological And Agri Engr
Ward,Michael E.	Lecturer	ELPHD	Grad Faculty	ELPHD
Ward,Michael E.	Professor of the Practice	ELPHD	Grad Faculty	ELPHD
Ward,Stephanie Hill	Asst Professor	Animal Science	Grad Faculty	Animal Science
Warner,John Christopher	Adjunct Assoc Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Warner,Wendy J	Assoc Professor	Agricultural & Human Sciences	Grad Faculty	Agricultural & Extension Edu
Warr,Richard Simon	Professor	Dean's Office-Poole COM	Grad Faculty	Business Management-Poole COM
Warren,Catherine A	Professor	English	Grad Faculty	English
Warren,Jocelyn DeVance	Assoc Professor	Social Work	Grad Faculty	Social Work
Warren,Sarah Timberlake	Emeritus Associate Professor	For & Envir Res Acad Research	Grad Faculty	For & Envir Res Acad Research
Warsing,Donald P	Assoc Professor	Business Management-Poole COM	Grad Faculty	Business Management-Poole COM
Waschka II,Rodney Anthony	Professor	Interdisciplinary Studies	Grad Faculty	Interdisciplinary Studies
Washburn,Steven Paul	Emeritus Professor	Animal Science	Grad Faculty	Animal Science
Wasik,John L.	Emeritus Professor	Statistics	Grad Faculty	Statistics
Wasiolek,Suzanne J	Adjunct Asst Professor	ELPHD	Affiliate Grad Faculty	ELPHD
Waters Jr,William M.	Emeritus Associate Professor	Sci, Tech, Engr & Math (STEM)	Grad Faculty	Sci, Tech, Engr & Math (STEM)
Watson,Benjamin Allen	Assoc Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Watson,David W	Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Watson,Larry W.	Emeritus Associate Professor	Sci, Tech, Engr & Math (STEM)	Grad Faculty	Dept Of Math & Science Edu-tlc
Watzin,Mary	Professor	College of Natural Resources	Grad Faculty	For & Envir Res Acad Research
Wear,David N	Adjunct Professor	For & Envir Res Acad Research	Affiliate Grad Faculty	For & Envir Res Acad Research
Weber,Jerome B.	Emeritus Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Webster,Zodiac Tracy	Teaching Asst Professor	Physics	Grad Faculty	Physics
Wechsberg PhD,Wendee Mara	Adjunct Professor	Psychology	Affiliate Grad Faculty	Psychology
Wegmann,Karl William	Assoc Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Wehner,Todd Craig	Professor	Horticultural Science	Grad Faculty	Horticultural Science
Wehring PhD,Bernard William	Research Professor	Nuclear Engineering	Affiliate Grad Faculty	Nuclear Engr
Wei,Qingshan	Asst Professor	Chemical & Biomolecular Engr	Grad Faculty	Chemical & Biomolecular Engr.
Weinhold,Paul S	Research Assoc Professor	Biomedical Program - ENG	Grad Faculty	Biomedical Program-Engineering
Weisel,Deborah Lamm	Teaching Asst Professor	Public & International Affairs	Affiliate Grad Faculty	Public & International Affairs
Weiss,Ira R	Professor	Mgmt, Innovation&Entrepreneur	Grad Faculty	Mgmt, Innovation & Entrepreneu
Weissinger,Arthur K.	Emeritus Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Weisz,P Randall	Emeritus Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Welby,Charles W.	Emeritus Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Wellenius,Ian Patrick	Adjunct Assoc Professor	Electrical & Computer Engr.	Affiliate Grad Faculty	Electrical & Computer Engr.
Wells,J C	Emeritus Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology

Wells,Randy	Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Wenig,Robert E.	Emeritus Associate Professor	Sci, Tech, Engr & Math (STEM)	Grad Faculty	Dept Of Math & Science Edu-tlc
Weninger,Keith R.	Professor	Physics	Grad Faculty	Physics
Wentworth,Thomas R.	Emeritus Professor	Plant and Microbial Biology	Grad Faculty	Plant and Microbial Biology
Werner,Dennis J.	Emeritus Distinguished Prof	Horticultural Science	Grad Faculty	Horticultural Science
Wernsman,Earl A.	Emeritus Named Distng'd Prof	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Wertz,Dennis W.	Assoc Professor	Chemistry	Grad Faculty	Chemistry
Wescott II,Joseph Warren	Adjunct Asst Professor	ELPHD	Affiliate Grad Faculty	ELPHD
Wesp,Julie K	Asst Professor	Sociology & Anthropology	Grad Faculty	Sociology & Anthropology
Wessels,Walter J.	Emeritus Professor	Economics-Poole COM	Grad Faculty	Economics-Poole COM
West II,Harvey A	Research Assoc Professor	Ctr Addit Manf & Log-CAMAL	Affiliate Grad Faculty	Fitts Dept Indust & Syst Engr
West,Andre Julilian	Assoc Professor	Textile Extension	Grad Faculty	Textile & Apparel Tech & Mgmt
West,Harry C.	Emeritus Associate Professor	English	Grad Faculty	English
Westermeyer,Hans Daniel	Asst Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Westmoreland,Phillip R	Professor	Chemical & Biomolecular Engr	Grad Faculty	Chemical & Biomolecular Engr.
Whangbo,Myung H.	Professor	Chemistry	Grad Faculty	Chemistry
Wheatley,John H.	Emeritus Associate Professor	Sci, Tech, Engr & Math (STEM)	Grad Faculty	Sci, Tech, Engr & Math (STEM)
Wheeler,Elisabeth A.	Emeritus Professor	Forest Biomaterials	Grad Faculty	Forest Biomaterials
Whetten,Ross W.	Professor	Tree Improvement Cooperative	Grad Faculty	For & Envir Res Acad Research
Whipker,Brian E	Professor	Horticultural Science	Grad Faculty	Horticultural Science
Whitacre,Michael David	Emeritus Associate Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
White,Jeffrey G.	Assoc Professor	Crop & Soil Sciences	Grad Faculty	Soil Science
White,Leonard Wilson	Professor of the Practice	FREEDM Center	Affiliate Grad Faculty	Electrical & Computer Engr.
White,Robert E.	Emeritus Professor	Mathematics	Grad Faculty	Mathematics
White,Susan Norma		Sea Grant Program	Affiliate Grad Faculty	
White,Susan Norma	Adjunct Assoc Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Whited,Robert Lowell	Asst Professor	Accounting-Poole COM	Grad Faculty	Accounting-Poole COM
Whitfield,Anna Elizabeth	Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Whitlow,Lon Weidner	Emeritus Professor	Animal Science	Grad Faculty	Animal Science
Whitted,John Turner	Adjunct Professor	Electrical & Computer Engr.	Affiliate Grad Faculty	Electrical & Computer Engr.
Whitten,Jerry Lynn	Emeritus Professor	Chemistry	Grad Faculty	Chemistry
Widman,Laura Marie	Asst Professor	Psychology	Grad Faculty	Psychology
Wiebe,Eric N	Professor	Sci, Tech, Engr & Math (STEM)	Grad Faculty	Sci, Tech, Engr & Math (STEM)
Wiegmann,Brian M	Named Professor	Entomology & Plant Pathology	Grad Faculty	Entomology & Plant Pathology
Wiener,Russell W	Adjunct Assoc Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Wiese,Dennis Eugene	Adjunct Asst Professor	ELPHD	Affiliate Grad Faculty	ELPHD
Wiley,Stephen B	Assoc Professor	Communication	Grad Faculty	Communication
Wilk,John C	Emeritus Professor	Animal Science	Grad Faculty	Animal Science
Wilkinson,Richard R.	Emeritus Professor	Landscape Architecture	Grad Faculty	Landscape Architecture
Williams Jr,Billy Merle	Professor	Institute For Trans Research &	Grad Faculty	Civil, Const & Env Engineering
Williams,Antony J	Professor	Textile Engineering, Chemistry	Grad Faculty	Textile Engr Chemistry & Sci
Williams,Brenda B	Teaching Asst Professor	Mathematics	Affiliate Grad Faculty	Mathematics
Williams,Cathy Sue	Teaching Asst Professor	ELPHD	Affiliate Grad Faculty	ELPHD
Williams,Charles Michael	Emeritus Professor	Prestage Poultry Science	Grad Faculty	Prestage Poultry Science
Williams,Christopher J.	Adjunct Asst Professor	Prestage Poultry Science	Affiliate Grad Faculty	Prestage Poultry Science
Williams,Cranos M	Assoc Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Williams,Gavin John	Assoc Professor	Chemistry	Grad Faculty	Chemistry
Williams,James O.	Emeritus Professor	Public & International Affairs	Grad Faculty	Public & International Affairs
Williams,Laurel E	Adjunct Professor	Dept of Clinical Sciences	Affiliate Grad Faculty	Dept of Clinical Sciences
Williams,Laurie A	Distinguished Professor	Computer Science-engr	Grad Faculty	Computer Science-Engr
Williams,Linda R.	Emeritus Clinical Assoc Prof	Social Work	Grad Faculty	Social Work
Williams,Paul F.	Professor	Accounting-Poole COM	Grad Faculty	Accounting-Poole COM
Williams,Saundra Wall		COE-Dean's Offic Grads & Temps	Affiliate Grad Faculty	
Williams,Saundra Wall	Adjunct Asst Professor	ELPHD	Affiliate Grad Faculty	Adult & Higher Education
Williams,Stelfanie	Adjunct Asst Professor	ELPHD	Affiliate Grad Faculty	ELPHD
Williamson,John D	Emeritus Associate Professor	Horticultural Science	Grad Faculty	Horticultural Science
Willits,Daniel H.	Emeritus Professor	Biological And Agricultural En	Grad Faculty	Biological And Agri Engr
Willoughby PhD,Julie Ann		Textile Engineering, Chemistry	Grad Faculty	Textile Engr Chemistry & Sci
Wilson,Alyson Gabbard	Professor	Statistic - ORIED LAS	Grad Faculty	Statistics
Wilson,Elizabeth B	Professor	CALS - Academic Programs	Grad Faculty	Agricultural & Extension Edu
Wilson,James Reed	Emeritus Professor	Fitts Dept Indust & Syst Engr	Grad Faculty	Fitts Dept Indust & Syst Engr
Wilson,Jonee	Asst Professor	TELS	Grad Faculty	TELS
Wilson,Lorenzo G.	Emeritus Professor	Horticultural Science	Grad Faculty	Horticultural Science
Wilson,Mark A	Assoc Professor	Psychology	Grad Faculty	Psychology
Winchester Jr,Samuel Clyde	Emeritus Named Professor	Textile & Apparel, Technology	Grad Faculty	Textile & Apparel Tech & Mgmt
Wineland,Michael John		Prestage Poultry Science	Affiliate Grad Faculty	
Wineland,Michael John	Adjunct Professor	Dept-Population,Health,Pathobi	Affiliate Grad Faculty	Population Health&Pathobiology
Winner,William E	Emeritus Professor	For & Envir Res Acad Research	Grad Faculty	For & Envir Res Acad Research
Winston,Hubert	Extension Associate Professor	Chemical & Biomolecular Engr	Grad Faculty	Chemical & Biomolecular Engr.
Winston,Hubert	Extension Associate Professor	Chemical & Biomolecular G&T	Grad Faculty	Chemical & Biomolecular Engr.
Wirt,Lesley Grieco		ELPHD	Affiliate Grad Faculty	
Wiseman,Angela Michelle	Assoc Professor	TELS	Grad Faculty	Elementary Education
Witchger,Robert James	Adjunct Asst Professor	ELPHD	Affiliate Grad Faculty	ELPHD
Witt,Mary Ann	Emeritus Professor	Foreign Languages And Literatu	Grad Faculty	Foreign Languages and Lit
Wogalter,Michael S	Emeritus Professor	Psychology	Grad Faculty	
Wohlgenant,Michael K.	Emeritus Named Professor	Ag & Resource Economics	Grad Faculty	Ag & Resource Economics
Wolcott,Donna Lee	Emeritus Associate Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Wolcott,Thomas G.	Emeritus Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Wolfe,Barbara A.	Adjunct Asst Professor	Dept of Clinical Sciences	Affiliate Grad Faculty	Dept of Clinical Sciences
Wolfinger,Russell D.	Adjunct Professor	Statistics	Affiliate Grad Faculty	Statistics
Wolfram,Walter A	Named Distinguished Univ Prof	English	Grad Faculty	English
Wong,Chau-Wai	Asst Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.

Wood,Michael William	Adjunct Asst Professor	Dept of Clinical Sciences	Affiliate Grad Faculty	Dept of Clinical Sciences
Woodbridge,Janie Fleming	Asst Professor	Textile & Apparel, Technology	Grad Faculty	Textile & Apparel Tech & Mgmt
Woodley PhD,Alexander Lake	Asst Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Woodrum,Eric M.	Emeritus Professor	Sociology & Anthropology	Grad Faculty	Sociology & Anthropology
Wormsley,William E	Adjunct Assoc Professor	Sociology & Anthropology	Affiliate Grad Faculty	Sociology & Anthropology
Worrall,Louise Gail	Adjunct Asst Professor	Nuclear Engineering	Affiliate Grad Faculty	Nuclear Engr
Worsham,Arch D.	Emeritus Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Wright,Charles Gerald	Emeritus Professor	Entomology & Plant Pathology	Grad Faculty	Entomology
Wright,David R	Adjunct Asst Professor	Computer Science-engr	Affiliate Grad Faculty	Computer Science-Engr
Wright,Fred Andrew	Distinguished Professor	Statistics	Grad Faculty	Statistics
Wright,Ruth Lorraine	Emeritus Associate Professor	Accounting-Poole COM	Grad Faculty	Accounting-Poole COM
Wu PhD,Tianfu	Asst Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Wu,Fen	Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Wu,Qingqing	Asst Professor	Business Management-Poole COM	Grad Faculty	Business Management-Poole COM
Wu,Yichao	Adjunct Professor	Statistics Grad & Temp	Affiliate Grad Faculty	Statistics
Wust,Valerie Ann	Assoc Professor	Foreign Languages And Literatu	Grad Faculty	Foreign Languages and Lit
Wyer,Mary B	Assoc Professor	Psychology	Grad Faculty	Psychology
Wynne,Johnny Calvin	Emeritus Named Professor	Dean's Office - CALS	Grad Faculty	Crop & Soil Sciences
Wysk,Richard A	Named Professor	Fitts Dept Indust & Syst Engr	Grad Faculty	Fitts Dept Indust & Syst Engr
Xi,Lin	Research Assoc Professor	Animal Science	Grad Faculty	Animal Science
Xia,Xin Rui		Biological Sciences	Affiliate Grad Faculty	
Xiang,Qiuyun	Professor	Plant and Microbial Biology	Grad Faculty	Plant and Microbial Biology
Xiao,Luo	Asst Professor	Statistics	Grad Faculty	Statistics
Xie,Deyu	Professor	Plant and Microbial Biology	Grad Faculty	Plant and Microbial Biology
Xie,Lian	Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Xie,Tao	Adjunct Professor	Computer Science-engr	Affiliate Grad Faculty	Computer Science-Engr
Xu PhD,Guozhou	Asst Professor	Biochemistry	Grad Faculty	Biochemistry
Xu,Chengying	Assoc Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Xu,Xu	Asst Professor	Fitts Dept Indust & Syst Engr	Grad Faculty	Fitts Dept Indust & Syst Engr
Xu,Yingjiao	Professor	Textile & Apparel, Technology	Grad Faculty	Textile & Apparel Tech & Mgmt
Yadav,Meeta	Adjunct Assoc Professor	Electrical & Computer Engr.	Affiliate Grad Faculty	Electrical & Computer Engr.
Yang,Ge	Asst Professor	Nuclear Engineering	Grad Faculty	Nuclear Engr
Yang,Shu	Asst Professor	Statistics	Grad Faculty	Statistics
Yao,Yuan	Asst Professor	Forest Biomaterials	Grad Faculty	Forest Biomaterials
Yapici,Yavuz		Electrical & Computer Engr.	Affiliate Grad Faculty	
Ye,Long	Research Asst Professor	Physics	Grad Faculty	Physics
Ye,Weimin	Adjunct Asst Professor	Entomology & Plant Pathology	Affiliate Grad Faculty	Entomology & Plant Pathology
Yelverton,Fred H.	Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Yencho,George C	Named Professor	Horticultural Science	Grad Faculty	Horticultural Science
Yeom,Bong-Yeol	Research Asst Professor	Textile Engineering, Chemistry	Affiliate Grad Faculty	Textile Engr Chemistry & Sci
Yingling,Yaroslava G	Professor	Materials Science &Engineering	Grad Faculty	Materials Science &Engineering
Yoder,Jeffrey A.	Professor	Dept Molecular Biomedical Scie	Grad Faculty	Dept Molecular Biomedical Sci
Yoon,Intae	Assoc Professor	Social Work	Grad Faculty	Social Work
York,Alan Clarence	Emeritus Named Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Yoshikawa,Hiroto	Asst Professor	Dept of Clinical Sciences	Grad Faculty	Dept of Clinical Sciences
Young Jr,Robert V.	Emeritus Professor	English	Grad Faculty	English
Young,Albert R.	Professor	Physics	Grad Faculty	Physics
Young,Carl A	Assoc Professor	TELS	Grad Faculty	TELS
Young,Eric	Professor	Administration - Research Serv	Grad Faculty	Horticultural Science
Young,Greggry S		Mgmt, Innovation&Entrepreneur	Grad Faculty	
Young,James H.	Emeritus Professor	Biological And Agricultural En	Grad Faculty	Biological And Agri Engr
Young,Robert E.	Emeritus Professor	Fitts Dept Indust & Syst Engr	Grad Faculty	Fitts Dept Indust & Syst Engr
Young,Robert M	Adjunct Professor	Computer Science-engr	Affiliate Grad Faculty	Computer Science-Engr
Young,Sidney S	Professor	Statistics Grad & Temp	Affiliate Grad Faculty	Statistics
Young,Sierra	Asst Professor	Biological And Agricultural En	Grad Faculty	Biological And Agri Engr
Young,Tamara V.	Assoc Professor	ELPHD	Grad Faculty	ELPHD
Youngblood III,Robert Walker	Adjunct Professor	Nuclear Engineering	Affiliate Grad Faculty	Nuclear Engr
Youngblood,Curtis Edmund	Teaching Asst Professor	Economics-Poole COM	Affiliate Grad Faculty	Economics-Poole COM
Youngsteadt,Elsa	Asst Professor	Applied Ecology	Grad Faculty	Applied Ecology
Youssef,Mohamed A	Professor	Biological And Agricultural En	Grad Faculty	Biological And Agri Engr
Yu,Donna G	Teaching Assoc Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Yu,Shaocai	Adjunct Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Yu,Ting	Adjunct Assoc Professor	Computer Science-engr	Affiliate Grad Faculty	Computer Science-Engr
Yu,Wensong	Research Assoc Professor	FREEDM Center	Grad Faculty	Electrical & Computer Engr.
Yuan,Fuh-Gwo	Named Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Yuan,Wenqiao	Professor	Biological And Agricultural En	Grad Faculty	Biological And Agri Engr
Yuter,Sandra E.	Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Zagacki,Kenneth S.	Professor	Communication	Grad Faculty	Communication
Zaharoff,David Alexander	Assoc Professor	Biomedical Program - ENG	Grad Faculty	Biomedical Program-Engineering
Zahn,Margaret A	Emeritus Professor	Sociology & Anthropology	Grad Faculty	Sociology & Anthropology
Zambon PhD,Joseph Brendan	Research Asst Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Zanno,Lindsay E	Research Asst Professor	Biological Sciences	Grad Faculty	Applied Ecology
Zeldin,Darryl C	Adjunct Professor	Toxicology	Affiliate Grad Faculty	Toxicology
Zelna,Carrie L	Adjunct Asst Professor	Academic Success	Affiliate Grad Faculty	ELPHD
Zelter,Barbara A.	Clinical Asst Professor	Social Work	Affiliate Grad Faculty	Social Work
Zeng,Zhaobang	Named Distinguished Professor	Horticultural Science	Grad Faculty	Statistics
Zenkov,Dmitry Valerievich	Professor	Mathematics	Grad Faculty	Mathematics
Zering,Kelly D.	Professor	Ag & Resource Economics	Grad Faculty	Ag & Resource Economics
Zerkle,Michael Leigh	Adjunct Assoc Professor	Nuclear Engineering	Affiliate Grad Faculty	Nuclear Engr
Zerr,Robert Joseph	Adjunct Asst Professor	Nuclear Engineering	Affiliate Grad Faculty	Nuclear Engr
Zhang,Daowen	Professor	Statistics	Grad Faculty	Statistics
Zhang,Qing Chun Jon	Adjunct Professor	Electrical & Computer Engr.	Affiliate Grad Faculty	Electrical & Computer Engr.

Zhang,Xiangwu	Professor	College Of Textiles-dean's Off	Grad Faculty	Textile Engr Chemistry & Sci
Zhang,Yang	Professor	Marine, Earth And Atmospheric	Grad Faculty	Marine Earth & Atmospheric Sci
Zheng,Xiaoyong	Professor	Ag & Resource Economics	Grad Faculty	Ag & Resource Economics
Zhirnov,Victor	Adjunct Assoc Professor	Materials Science &Engineering	Affiliate Grad Faculty	Materials Science &Engineering
Zhou,Huiyang	Professor	Electrical & Computer Engr.	Grad Faculty	Electrical & Computer Engr.
Zhou,Yihui	Assoc Professor	Biological Sciences	Grad Faculty	Biological Sciences
Zhu,Mengmeng	Asst Professor	Textile Engineering, Chemistry	Grad Faculty	Textile Engr Chemistry & Sci
Zhu,Yong	Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Zhu,Yuntian T	Named Professor	Materials Science &Engineering	Grad Faculty	Materials Science &Engineering
Zia,Paul Z	Emrtus Disting'd Univ Prof	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
Ziegler,Conrad Lawrence	Adjunct Professor	Marine, Earth And Atmospheric	Affiliate Grad Faculty	Marine Earth & Atmospheric Sci
Zikry,Mohammed A	Named Professor	Mechanical & Aerospace Engr	Grad Faculty	Mechanical & Aerospace Engr
Zink,James Richard	Assoc Professor	Public & International Affairs	Grad Faculty	Public & International Affairs
Zobel,Richard W	Adjunct Professor	Crop & Soil Sciences	Grad Faculty	Crop & Soil Sciences
Zonderman,David Aaron	Professor	History	Grad Faculty	History
Zorner,Paul S.	Adjunct Professor	Horticultural Science	Affiliate Grad Faculty	Horticultural Science
Zorowski,Carl F.	Emeritus Named Professor	College Of Engineering-dean's	Grad Faculty	Mechanical & Aerospace Engr
Zuckerman,Gilroy J.		Accounting - MAC	Affiliate Grad Faculty	
Zuiches,James J	Emeritus Professor	Sociology & Anthropology	Grad Faculty	Sociology & Anthropology
de Queiroz,Anderson Rodrigo	Adjunct Asst Professor	Civil Const & Environ Engineer	Grad Faculty	Civil, Const & Env Engineering
de Souza e Silva,Adriana Araujo	Professor	Communication	Grad Faculty	Communication
van Kempen,Theo A	Adjunct Professor	Animal Science	Affiliate Grad Faculty	Animal Science
van Zanten,John H.	Teaching Asst Professor	BTEC-Biomfg Training Ed Ctr	Grad Faculty	Chemical & Biomolecular Engr.
van der Lelie,Daniel	Adjunct Professor	Plant and Microbial Biology	Affiliate Grad Faculty	Microbiology
von Haefen,Roger H.	Assoc Professor	Ag & Resource Economics	Grad Faculty	Ag & Resource Economics

NC State Policies

North Carolina State University is committed to academic integrity, and all students are required to adhere to the [NC State Code of Student Conduct](https://policies.ncsu.edu/policy/pol-11-35-01/) (<https://policies.ncsu.edu/policy/pol-11-35-01/>). Individual policies on conduct, including those listed below, are posted on [University Policies, Regulations, and Rules](https://policies.ncsu.edu/) (<https://policies.ncsu.edu/>) (PRRs).

[University Patent Procedures](https://policies.ncsu.edu/policy/pol-10-00-01/) (<https://policies.ncsu.edu/policy/pol-10-00-01/>).

[Grievance Procedures for Graduate Students](https://policies.ncsu.edu/regulation/reg-11-40-02/) (<https://policies.ncsu.edu/regulation/reg-11-40-02/>).

[Code of Student Conduct](https://policies.ncsu.edu/policy/pol-11-35-01/) (<https://policies.ncsu.edu/policy/pol-11-35-01/>).

[Academic Integrity](https://policies.ncsu.edu/policy/pol-11-35-01/) (<https://policies.ncsu.edu/policy/pol-11-35-01/>).

[Policy on Illegal Drugs](https://policies.ncsu.edu/policy/pol-04-20-05/) (<https://policies.ncsu.edu/policy/pol-04-20-05/>).

[Sexual Harassment Policy](https://policies.ncsu.edu/regulation/reg-04-25-02/) (<https://policies.ncsu.edu/regulation/reg-04-25-02/>).

[Racial Harassment Policy](https://policies.ncsu.edu/regulation/reg-04-25-02/) (<https://policies.ncsu.edu/regulation/reg-04-25-02/>).

[University Copyright Procedures](https://policies.ncsu.edu/regulation/reg-01-25-03/) (<https://policies.ncsu.edu/regulation/reg-01-25-03/>).

Equal Opportunity and Non-Discrimination

It is the policy of the State of North Carolina to provide equality of opportunity in education and employment for all students and employees. Accordingly, the university does not practice or condone unlawful discrimination in any form against students, employees or applicants on the basis of race, color, religion, creed, sex, national origin, age, disability or veteran status. Nor does the university allow discrimination on the basis of sexual orientation with respect to internal university matters that do not contravene federal or state law and that do not interfere with the University's relationships with outside organizations, including the federal government, the military, ROTC, and private employers. [NOTE: The NC State University equal opportunity and nondiscrimination policy includes transsexual individuals within the policy's prohibitions against discrimination on the basis of sex. This includes actual or perceived gender identity and gender expression. See *Price Waterhouse v. Hopkins*, 490 U.S. 228 (1989); *Smith v. City of Salem*, 378 F.3d 566 (6th Cir. 2004).] Retaliation against any person complaining of discrimination is in violation of federal and state law and North Carolina State University policy, and will not be tolerated.

Unlawful Harassment

Harassment based upon race, color, religion, creed, sex, national origin, veteran status, age, or disability is a form of discrimination in violation of federal and state law and North Carolina State University policy and will not be tolerated. It is the internal policy of North Carolina State University to prohibit harassment on the basis of sexual orientation. Retaliation against any person complaining of harassment is in violation of federal and state law and North Carolina State University policy, and will not be tolerated. North Carolina State University will respond promptly to all complaints of harassment and retaliation. Violation of this policy can result in serious disciplinary action up to and including expulsion for students or discharge for employees.

Every individual is encouraged, and should feel free, to seek assistance, information and guidance from his/her supervisor, the Office for Equal Opportunity, the Office of Student Conduct or the Employees Relations section of Human Resources. For additional information, contact: Office for Equal Opportunity, 1 Holladay Hall, Box 7530, North Carolina State University, Raleigh, NC 27695-7530, Phone: (919) 513-1234 or 515-3148.

Disability Services Office

Individuals desiring reasonable accommodations for their documented disabilities should contact the [Disability Services Office](https://dso.dasa.ncsu.edu/) (<https://dso.dasa.ncsu.edu/>) (DSO), 2751 Cates Avenue, Third Floor-First Year College Commons, (919) 515-7653 (Voice), (919) 515-8830 (TTY). Services and accommodations are provided based on an individual's documented needs and are determined in

consultation with the individual and a DSO representative. For students, such requests should be made far in advance of registration deadlines to ensure timely services and accommodations. DSO will maintain appropriate confidentiality of records and communication regarding disability.

Archives

Incoming students are governed by the rules and regulations in force the semester they are accepted into a program. Previous Graduate Catalogs can be downloaded in PDF format here.

[Graduate Catalog \(2018-2019\) \(https://grad.ncsu.edu/wp-content/uploads/2018/07/Graduate-Catalog-2018-2019.pdf\)](https://grad.ncsu.edu/wp-content/uploads/2018/07/Graduate-Catalog-2018-2019.pdf)
[Graduate Catalog \(2017-2018\) \(https://grad.ncsu.edu/wp-content/uploads/2017/08/Graduate-Catalog-2017-2018.pdf\)](https://grad.ncsu.edu/wp-content/uploads/2017/08/Graduate-Catalog-2017-2018.pdf)
[Graduate Catalog \(2016-2017\) \(https://grad.ncsu.edu/wp-content/uploads/2017/08/Graduate-Catalog-2016-2017.pdf\)](https://grad.ncsu.edu/wp-content/uploads/2017/08/Graduate-Catalog-2016-2017.pdf)
[Graduate Catalog \(2015-2016\) \(https://grad.ncsu.edu/wp-content/uploads/2017/08/Graduate-Catalog-2015-2016.pdf\)](https://grad.ncsu.edu/wp-content/uploads/2017/08/Graduate-Catalog-2015-2016.pdf)
[Graduate Catalog \(2014-2015\) \(https://grad.ncsu.edu/wp-content/uploads/2017/08/Graduate-Catalog-2014-2015.pdf\)](https://grad.ncsu.edu/wp-content/uploads/2017/08/Graduate-Catalog-2014-2015.pdf)
[Graduate Catalog \(2013-2014\) \(https://grad.ncsu.edu/wp-content/uploads/2017/08/Graduate-Catalog-2013-2014.pdf\)](https://grad.ncsu.edu/wp-content/uploads/2017/08/Graduate-Catalog-2013-2014.pdf)
[Graduate Catalog \(2012-2013\) \(https://grad.ncsu.edu/wp-content/uploads/2017/08/Graduate-Catalog-2012-2013.pdf\)](https://grad.ncsu.edu/wp-content/uploads/2017/08/Graduate-Catalog-2012-2013.pdf)
[Graduate Catalog \(2011-2012\) \(https://grad.ncsu.edu/wp-content/uploads/2017/08/Graduate-Catalog-2011-2012.pdf\)](https://grad.ncsu.edu/wp-content/uploads/2017/08/Graduate-Catalog-2011-2012.pdf)
[Graduate Catalog \(2010-2011\) \(https://grad.ncsu.edu/wp-content/uploads/2017/08/Graduate-Catalog-2010-2011.pdf\)](https://grad.ncsu.edu/wp-content/uploads/2017/08/Graduate-Catalog-2010-2011.pdf)
[Graduate Catalog \(2009-2010\) \(https://grad.ncsu.edu/wp-content/uploads/2017/08/Graduate-Catalog-2009-2010.pdf\)](https://grad.ncsu.edu/wp-content/uploads/2017/08/Graduate-Catalog-2009-2010.pdf)
[Graduate Catalog \(2008-2009\) \(https://grad.ncsu.edu/wp-content/uploads/2017/08/Graduate-Catalog-2008-2009.pdf\)](https://grad.ncsu.edu/wp-content/uploads/2017/08/Graduate-Catalog-2008-2009.pdf)
[Graduate Catalog \(2007-2008\) \(https://grad.ncsu.edu/wp-content/uploads/2017/08/Graduate-Catalog-2007-2008.pdf\)](https://grad.ncsu.edu/wp-content/uploads/2017/08/Graduate-Catalog-2007-2008.pdf)
[Graduate Catalog \(Spring 2007\) \(https://grad.ncsu.edu/wp-content/uploads/2017/08/Graduate_Catalog_Spring_2007.pdf\)](https://grad.ncsu.edu/wp-content/uploads/2017/08/Graduate_Catalog_Spring_2007.pdf)
[Graduate Catalog \(Fall 2006\) \(https://grad.ncsu.edu/wp-content/uploads/2017/08/Graduate_Catalog_Fall_2006.pdf\)](https://grad.ncsu.edu/wp-content/uploads/2017/08/Graduate_Catalog_Fall_2006.pdf)
[Graduate Catalog \(Spring 2006\) \(https://grad.ncsu.edu/wp-content/uploads/2017/08/Graduate_Catalog_Spring_2006.pdf\)](https://grad.ncsu.edu/wp-content/uploads/2017/08/Graduate_Catalog_Spring_2006.pdf)
[Graduate Catalog \(Fall 2005\) \(https://grad.ncsu.edu/wp-content/uploads/2017/08/Graduate_Catalog_Fall_2005.pdf\)](https://grad.ncsu.edu/wp-content/uploads/2017/08/Graduate_Catalog_Fall_2005.pdf)
[Graduate Catalog \(Spring 2005\) \(https://grad.ncsu.edu/wp-content/uploads/2017/08/Graduate_Catalog_Spring_2005.pdf\)](https://grad.ncsu.edu/wp-content/uploads/2017/08/Graduate_Catalog_Spring_2005.pdf)
[Graduate Catalog \(Fall 2004\) \(https://grad.ncsu.edu/wp-content/uploads/2017/08/Graduate_Catalog_Fall_2004.pdf\)](https://grad.ncsu.edu/wp-content/uploads/2017/08/Graduate_Catalog_Fall_2004.pdf)
[Graduate Catalog \(Spring 2004\) \(https://grad.ncsu.edu/wp-content/uploads/2017/08/Graduate_Catalog_Spring_2004.pdf\)](https://grad.ncsu.edu/wp-content/uploads/2017/08/Graduate_Catalog_Spring_2004.pdf)
[Graduate Catalog \(Fall 2003\) \(https://grad.ncsu.edu/wp-content/uploads/2017/08/Graduate_Catalog_Fall_2003.pdf\)](https://grad.ncsu.edu/wp-content/uploads/2017/08/Graduate_Catalog_Fall_2003.pdf)